Preliminary

TECHNICAL MANUAL

ORGANIZATIONAL MAINTENANCE

OPERATIONAL FLIGHT PROGRAM LOGIC DIAGRAMS

NAVY MODEL

F/TF-18A 160775 THRU 161251

This manual supersedes A1-F18AA-OLD-000, dated 1 June 1980.

This volume is one of two volumes and is incomplete without A1-F18AA-OLD-010.

NUMERICAL INDEX OF EFFECTIVE WORK PACKAGES

List of Current Changes

Original.........0 .... 15 Jan 81

Only those work packages and subordinate work packages assigned to the manual are listed in this index. The portion of text affected in a revised work package or subordinate work package is indicated by change bars or the change symbol "R" in the outer margin of each column of text. Changes to illustrations are indicated by pointing hands or change bars as applicable. Changes to diagrams may be indicated by a shaded border.

Preliminary

ALPHABETICAL INDEX

OPERATIONAL FLIGHT PROGRAM LOGIC DIAGRAMS

Input Reference Code To Module Reference

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
IAADRT	Air density ratio	007 00	5
		008 00	7
		009 00	104
		016 00	4
IAADRV	Air density ratio valid	007 00	2
		008 00	7
		009 00	104
		016 00	2
IAALRT	Pressure altitude rate	011 00	57
IAAMTV	Ambient temperature valid	007 00	2
		016 00	2
IAARTV	Altitude rate valid	007 00	2
		016 00	2
IAATMP	Ambient temperature	007 00	58
IABCAL	Barometric corrected pressure altitude	007 00	45
		011 00	39,45
		016 00	6
IABCAV	Barometric corrected pressure altitude valid	007 00	2
		016 00	2
IABFFA	Left engine static pressure 9 fail	004 00	17
IABFFB	Total temp/altitude function fail	004 00	17
IABFFC	Output number (17, 18, 22, 23) fail	004 00	17
IABFFD	Altitude reporting fail	004 00	17
IABFFE	Magnetic heading computation fail	004 00	17
IABFFF	Fuel pressure out 24 fail	004 00	17
IABFFG	Unsafe landing warning fail	004 00	17
IABFFH	Barometric set potentiometer excitation fail	004 00	17
IABFFI	Left AOA excitation fail	004 00	17
IABFFJ	Right AOA excitation fail	004 00	17
IABFFK	AOSS excitation fail	004 00	17
IABFFL	Left AOA fail	004 00	17
IABFFM	Right AOA fail	004 00	17
IABFFN	Sideslip fail	004 00	17
IABFFØ	Mach, airspeed, unsafe landing warning, TA parity fail	004 00	17
IABFFP	Pressure altitude, total temp/altitude function, AOA parity fail	004 00	17
IABFF1	Static pressure measurement fail	004 00	17

Input Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
IABFF2	Static pressure computation fail	004 00	17
IABFF3	Pitot pressure measurement fail	004 00	17
IABFF4	Pitot pressure computation fail	004 00	17
IABFF5	AOA computation fail	004 00	17
IABFF6	AOSS computation fail	004 00	17
IABFF7	AOA display 55 fail	004 00	17
IABFF8	AOA indexer approach light fail	004 00	17
IABFF9	Right engine static pressure 8 fail	004 00	17
IABFSW	ADC function status word	004 00	17
IABFS2	ADC function status word 2	004 00	17
IABIBC	ADC test complete	004 00	10
IABINT	ADC in test	004 00	10
IABPRS	Barometric pressure setting	011 00	45
IABPSV	Barometric pressure setting valid	007 00	2
IABSNG	ADC system no go	004 00	10
IABTTR	ADC terminal test reply	004 00	24
IABWR0	ADC no go	004 00	17
IABWR1	Right AOA sensor no go	004 00	17
IABWR2	Left AOA sensor no go	004 00	17
IABWR3	Total temp out of range	004 00	17
IABWR5	Barometric set potentiometer no go	004 00	17
IABWR6	MAD no go	004 00	17
IABWR7	MAD computation no go	004 00	17
IABWR8	Left/right AOA equality no go	004 00	17
IABWR9	IBIT delta pressure fail	004 00	17
IADAAV	Display angle of attack valid	007 00	2
		016 00	2
IADC∅D	ADC command pressure	005 00	46
IAIASP	Indicated airspeed	011 00	37,45
IAIASV	Indicated airspeed valid	007 00	2
		016 00	2
IAIIPR	Indicated impact pressure	007 00	58
IAIIPV	Indicated impact pressure valid	007 00	2
		016 00	2
IAIMPR	Impact pressure	007 00	58
IAISPR	Indicated static pressure	007 00	58
IAISPV	Indicated static pressure valid	007 00	2
		016 00	2
IALAAD	Local angle of attack display	011 00	21,41
IALAAV	Local angle of attack valid	007 00	2
		016 00	2
IALA∅A	Local angle of attack	007 00	58
IALLAV	Left local angle of attack valid	007 00	2
IALSSV	Local sideslip valid	007 00	2

Input Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
IAMACH	Mach number	006 00	24
		007 00	46,58
		008 00	55
		009 00	85,86
		011 00	42
		015 00	63,144
IAMHDG	Magnetic heading	007 00	9,13,15
		016 00	4
IAMHDV	Magnetic heading valid	007 00	2
		016 00	2
IAMHM1	Heading 1 mode	013 00	29
IAMHM2	Heading 2 mode	013 00	29
IAMLFV	Longitudinal field vector	013 00	54
IAMNØV	Mach number valid	007 00	2
		016 00	2
IAMSCD	Store command	013 00	54
IAMTFV	Transverse field vector	013 00	54
IAPRAL	Pressure altitude	007 00	45
		016 00	6
IAPRAV	Pressure altitude valid	007 00	2
		016 00	2
IAPRIV	Impact pressure valid	007 00	2
		016 00	2
IAPRSV	Static pressure valid	007 00	2
		016 00	2
IAPRTV	Total pressure valid	007 00	2
IARLAV	Right local angle of attack valid	007 00	2
IARPØS	Refuel probe extended	005 00	46,47
IASPCV	Static pressure corrected valid	007 00	2
IASTME	ADC message error flag	003 00	1,3
IASTPR	Static pressure	005 00	2
		006 00	13,17,21
		007 00	58
IASTTF	ADC terminal flag	003 00	1,3
IATAAV	True angle of attack valid	007 00	2
		016 00	2
IATACV	True angle of attack corrected valid	007 00	2
IATAØA	True angle of attack	005 00	2
		007 00	21,58
		011 00	7
		016 00	5

Input Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
IATASP	True airspeed	005 00	2,11
		006 00	17
		007 00	22,58
		016 00	5
IATASV	True airspeed valid	007 00	2
		016 00	2
IATØTV	Total temperature valid	007 00	2
IATPCV	Total pressure corrected valid	007 00	2
IATSCV	True sideslip corrected valid	007 00	2
IATSSV	True sideslip vaid	007 00	2
IATTFA	Total temperature altitude function activated	005 00	39
IATTMP	Total temperature	006 00	24
ICAAAØ	B acceleration sensor assembly overheat	004 00	18
IAUSLV	Unsafe landing valid	007 00	2
ICAAHM	Attitude hold engaged	013 00	2
ICAALØ	FCES local angle of attack	011 00	5
ICAALV	Local angle of attack valid	007 00	2
		011 00	3
ICAAPC	Approach power compensator request	011 00	3
ICAAPL	Left approach power compensator engaged	006 00	24
		011 00	3
ICAAPN	Autopilot disengage request	011 00	3
		013 00	2
ICAAPR	Right approach power compensator engaged	006 00	24
		011 00	3
ICAATR	True angle of attack	007 00	21
ICAATV	True angle of attack valid	007 00	2
ICABAH	Barometric altitude hold engaged	013 00	2
ICABFS	FCSA function status word	004 00	17,31,33
ICABF1	FCSA function status word	004 00	17,31
ICABF2	FCSA BIT control data	004 00	31
ICABIB	FCSA test complete	004 00	10,17,33
ICABIN	FCSA in test	004 00	10,17,33
ICABSN	FCSA system no go	004 00	10,17,33
ICABTT	FCSA terminal test reply	004 00	24
ICABUØ	Back-up air density sensor assembly overheat	004 00	18
ICABWØ	FCSA overheat data	004 00	18
ICABW1	FCSA WRA fail word 1	004 00	17
ICABW2	FCSA WRA fail word 2	004 00	17
ICABW3	FCSA WRA fail word 3	004 00	17
ICABW4	FCSA WRA fail word 4	004 00	17
ICABW5	FCSA WRA fail word 5	004 00	17

Input Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
ICABW6	FCSA WRA fail word 6	004 00	17
ICABW7	FCSA WRA fail word 7	004 00	17
ICAB01	Pitch CAS first fail	004 00	17,33
ICAB02	Roll CAS first fail	004 00	17,33
ICAB03	Yaw CAS first fail	004 00	17,33
ICAB04	Maneuver flaps first fail	004 00	17,33
ICAB05	AOA first fail	004 00	17,33
ICAB06	Air data first fail	004 00	17,33
ICAB07	Aileron first fail	004 00	17,33
ICAB08	Rudder DEL first fail	004 00	17,33
ICAB13	Reset	004 00	17,33
ICAB14	Pitch CAS second fail	004 00	17
ICAB15	Pitch CAS off	004 00	17
ICAB16	Roll CAS second fail	004 00	17
ICAB17	Roll CAS off	004 00	17
ICAB18	Yaw CAS second fail	004 00	17
ICAB19	Yaw CAS off	004 00	17
ICAB20	Maneuver flaps second fail	004 00	17
ICAB21	Maneuver flaps off	004 00	17
ICAB22	AOA second fail	004 00	17
ICAB23	Fixed AOA data engaged	004 00	17
ICAB24	Fixed air data engaged	004 00	17
ICAB25	Aileron second fail	004 00	17
ICAB26	Rudder DEL second fail	004 00	17
ICAB27	Stabilizer in mechanical mode	004 00	17
ICAB28	Nosewheel steering fail	004 00	17
ICAB29	Roll rate limit fail	004 00	17
ICADLM	Data link mode coupled	004 00	9
		013 00	2
ICAD∅K	Discrete data valid	004 00	7
		007 00	2
		016 00	9
ICAFA∅	A flight control computer overheat	004 00	18
ICAFT1	Fault data - word 1	004 00	36
ICAFT2	Fault data - word 2	004 00	36
ICAGDV	Gear down valid	007 00	2
ICAHHM	Heading hold engaged	013 00	2
ICAHSM	Heading select engaged	013 00	2
ICAIIV	Indicated impact pressure valid	007 00	2
ICAILF	Inboard leading edge flap position	007 00	57
ICAILV	Inboard leading edge flap position valid	007 00	2
ICAIMV	Impact pressure valid	007 00	2
ICAISV	Indicated static pressure valid	007 00	2
ICALAC	Lateral acceleration	007 00	4

Input Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
ICALAV	Lateral acceleration valid	007 00	2
ICALBD	Launch bar down	005 00	37
ICALCØ	A flight control computer overheat	004 00	18
ICALEB	Left engine bleed air door	006 00	24
ICALEN	Left engine compressor speed backup	006 00	24
ICALLG	Left gear down	011 00	3
ICALLV	Left power lever angle valid	005 00	47
		007 00	2
ICALØV	Left outboard leading edge flap position valid	007 00	2
ICALRØ	A rate sensor assembly overheat	004 00	18
ICALSP	Left stabilizer position	014 00	1
ICALTP	Left trailing edge flap position	005 00	43,57
ICALTV	Left trailing edge flap position valid	005 00	43
		007 00	2
ICANAC	Normal acceleration	007 00	4
ICANAV	Normal acceleration valid	007 00	2
ICANLG	Nose gear down	007 00	57
ICANSE	Nose wheel steering engaged	011 00	3
ICANSH	Nose wheel steering high gain mode engaged	011 00	52
ICANSS	Nose wheel steering/undesignate switch	008 00	4
		009 00	57
		017 00	3
ICANWV	Nose wheel steering position valid	007 00	2
ICAPLL	Left power lever angle	005 00	47
		006 00	3,17,18,21 24,25
ICAPLR	Right power lever angle	005 00	47
		006 00	3,17,18,21 24,25
ICAPRT	Pitch rate	007 00	6
ICAPRV	Pitch rate valid	007 00	2
ICAPSV	Longitudinal stick force valid	007 00	2
ICARAH	Radar altitude hold engaged	013 00	2
ICARCØ	B flight control computer overheat	004 00	18
ICAREB	Right engine bleed air door	006 00	24
ICAREN	Right engine compressor speed lockup	006 00	24
ICARLV	Right power lever angle valid	005 00	47
		007 00	2
ICARØV	Right outboard leading edge flap position valid	007 00	2
ICARPV	Rudder pedal force valid	007 00	2

Input Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
ICARR∅	B rate sensor assembly overheat	004 00	18
ICARRT	Roll rate	007 00	6
ICARRV	Roll rate valid	007 00	2
ICARSP	Right stabilizer position	014 00	1
ICARSV	Lateral stick force valid	007 00	2
ICARTV	Right trailing edge flap position valid	007 00	2
ICASLV	Left stabilizer position valid	007 00	2
ICASME	FCSA message error flag	003 00	1,3
ICASPV	Pitch stabilizer command valid	007 00	2
ICASRV	Right stabilizer position valid	007 00	2
ICASTF	FCSA terminal flag	003 00	1,3
ICASTP	Static pressure	007 00	44
ICASTV	Static pressure valid	007 00	2
ICAT∅T	Take-off trim set	005 00	33
ICAVLA	Left aileron position valid	007 00	2
ICAVLR	Left rudder position valid	007 00	2
ICAVRA	Right aileron position valid	007 00	2
ICAVRR	Right rudder position valid	007 00	2
ICAW∅W	Weight on wheels or ground power	004 00	7
		007 00	2
		015 00	133
		016 00	9
ICAYRT	Yaw rate	007 00	6
ICAYRV	Yaw rate valid	007 00	2
ICBAA∅	B acceleration sensor assembly overheat	004 00	18
ICBBFS	FCSB function status word	004 00	17,31,33
ICBBF1	FCSB function status word	004 00	17,31
ICBBF2	FCSB BIT control data	004 00	31
ICBBIB	FCSB test complete	004 00	10,17,33
ICBBIN	FCSB in test	004 00	10,17,33
ICBBSN	FCSB system no go	004 00	10,17,33
ICBBTT	FCSB terminal test reply	004 00	24
ICBBU∅	Backup air density sensor assembly overheat	004 00	18
ICBBW∅	FCSB overheat data	004 00	18
ICBBW1	FCSB WRA fail word 1	004 00	17
ICBBW2	FCSB WRA fail word 2	004 00	17
ICBBW3	FCSB WRA fail word 3	004 00	17
ICBBW4	FCSB WRA fail word 4	004 00	17
ICBBW5	FCSB WRA fail word 5	004 00	17
ICBBW6	FCSB WRA fail word 6	004 00	17
ICBBW7	FCSB WRA fail word 7	004 00	17
ICBB01	Pitch CAS first fail	004 00	17,33
ICBB02	Roll CAS first fail	004 00	17,33

Input Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
ICBB03	Yaw CAS first fail	004 00	17,33
ICBB04	Maneuver flaps first fail	004 00	17,33
ICBB05	AOA first fail	004 00	17,33
ICBB06	Air data first fail	004 00	17,33
ICBB07	Aileron first fail	004 00	17,33
ICBB08	Rudder DEL first fail	004 00	17,33
ICBB13	Reset	004 00	17,33
ICBB14	Pitch CAS second fail	004 00	17
ICBB15	Pitch CAS off	004 00	17
ICBB16	Roll CAS second fail	004 00	17
ICBB17	Roll CAS off	004 00	17
ICBB18	Yaw CAS second fail	004 00	17
ICBB19	Yaw CAS off	004 00	17
ICBB20	Maneuver flaps second fail	004 00	17
ICBB21	Maneuver flaps off	004 00	17
ICBB22	AOA second fail	004 00	17
ICBB23	Fixed AOA data engaged	004 00	17
ICBB24	Fixed air data engaged	004 00	17
ICBB25	Aileron second fail	004 00	17
ICBB26	Rudder DEL second fail	004 00	17
ICBB27	Stabilizer in mechanical mode	004 00	17
ICBB28	Nosewheel steering fail	004 00	17
ICBB29	Roll rate limit fail	004 00	17
ICBFA∅	A acceleration sensor assembly overheat	004 00	18
ICBLC∅	A flight control computer overheat	004 00	18
ICBLR∅	A rate sensor assembly overheat	004 00	18
ICBRC∅	B flight control computer overheat	004 00	18
ICBRR∅	B rate sensor assembly overheat	004 00	18
ICBSME	FCSB message error flag	003 00	1,3
ICBSTF	FCSB terminal flag	003 00	1,3
IDALTS	Radar altitude selected	011 00	38
		012 00	35,62
IDATTS	Attitude selection	012 00	35,62
IDBCFG	MMD configuration word	004 00	8
IDBCPF	HSI WRA fail word	004 00	8,17
IDBDIT	MMD in test	004 00	8,10
IDBDTC	MMD test complete	004 00	8,10
IDBD1C	MDRI-1 test complete	004 00	8,10
IDBD1T	MMD repeater in test	004 00	8,10
IDBFF1	Left display function fail word 1	004 00	8,17
IDBFF2	Left display function fail word 2	004 00	8,17
IDBFLA	MDI port fail	004 00	8,17
IDBFLB	HUD port fail	004 00	8,17
IDBFLC	Signal generator 2	004 00	8,17

Input Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
IDBFLD	Signal generator 1	004 00	8,17
IDBFLE	A/D fail	004 00	8,17
IDBFLF	Radar I/O fail	004 00	8,17
IDBFLG	MDI indicator fail	004 00	8,17
IDBFLH	HSD function status bits	004 00	8,17
IDBFLI	Spare lamp	004 00	8,17
IDBFLM	MDI sweep fail	004 00	8,17
IDBFLN	HSD function status bits	004 00	8,17
IDBFL1	HUD low voltage power supply fail	004 00	8,17
IDBFL2	HUD high voltage power supply fail	004 00	8,17
IDBFL3	HUD deflection	004 00	8,17
IDBFL4	HUD filament fail	004 00	8,17
IDBFL5	HUD Z amplifier fail	004 00	8,17
IDBFL6	HUD digital I/O fail	004 00	8,17
IDBFL7	Digital I/O fail	004 00	8,17
IDBFL8	MDI sweep fail	004 00	8,17
IDBFL9	MDRI port fail	004 00	8,17
IDBFSW	Left display function status word	004 00	8
IDBHDF	HUD WRA fail word	004 00	8,17
IDBHDS	HSD ready MMD	004 00	8
IDBHIT	HSI in test	004 00	10
IDBHTC	HSI test complete	004 00	8,10
IDBH1C	HSI repeater test complete	004 00	8,10
IDBH1T	HSI repeater in test	004 00	8,10
IDBIBC	MMD system test complete	004 00	8,10
IDBINT	MMD system in test	004 00	8,10,22
IDBMDI	MMD WRA fail	004 00	8,17
IDBMR1	MMD repeater WRA fail	004 00	8,17
IDBMR2	BIT, MDRI-2 ready MMD	004 00	8
IDBM2R	HSI repeater WRA fail	004 00	8,17
IDBSNG	MMD system no go	004 00	8,10
IDBTTR	MMD terminal test reply	004 00	24
IDBUIT	HUD in test	004 00	8,10
IDBUTC	HUD test complete	004 00	8,10
IDBWRA	Left display WRA fails	004 00	8
IDCRSM	Course set minus	012 00	35,62
		013 00	2
IDCRSP	Course set plus	012 00	35,62
		013 00	2
IDCSUM	Muxed checksum	014 00	31
IDDS(01-15)	Distance between strips - blocks 1-15	014 00	31
IDELC∅	Elevation control	009 00	8
		012 00	35,62

Input Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
IDHDGM	Heading set minus	012 00	35,62
		013 00	2
IDHDGP	Heading set plus	012 00	35,62
		013 00	2
IDHPB1	EHSI AC pushbuttons 1-10	012 00	42,71
		014 00	30
IDHPB2	EHSI AC pushbuttons 11-20	012 00	42,71
		014 00	30
IDHPB3	EHSI DC pushbuttons 1-10	012 00	42,71
IDHPB4	EHSI DC pushbuttons 11-20	012 00	42,71
IDHUDR	HUD symbol reject	011 00	14,22,42,43, 44,54,59,64
		012 00	35,62
IDH(01-20)A	EHSI AC pushbuttons 1-20	012 00	35,62
IDH(01-20)D	EHSI DC pushbuttons 1-20	012 00	35,62
IDIPB1	MMD AC pushbuttons 1-10	012 00	42,71
		014 00	4,30
IDIPB2	MMD AC pushbuttons 11-20	012 00	42,71
		014 00	30
IDIPB3	MMD DC pushbuttons 1-10	012 00	42,71
IDIPB4	MMD DC pushbuttons 11-20	012 00	42,71
IDI(01-20)A	LDDI AC pushbuttons 1-20	012 00	35,62
IDI(01-20)D	LDDI DC pushbuttons 1-20	012 00	35,62
IDLA(01-15)	Lowest latitude - blocks 1-15	014 00	31
IDL∅ (01-15)	Center longitude - blocks 1-15	014 00	31
IDMMSW	Map mode switch	013 00	75
IDNU(01-15)	Number of strips - blocks 1-15	014 00	31
IDR(101-131)	Film data - message 1 words 1-31	014 00	31
IDR(201-229)	Film data - message 2 words 1-29	014 00	31
IDR301	Film data - message 3 word 1	014 00	31
IDSC(01-15)	Distance between strips - blocks 1-15	014 00	31
IDSLEW	Slew select	013 00	75
IDSTB∅	MMD buffer overflow	003 00	1
IDSTLL	MMD no end statement	003 00	1
IDSTME	LDDI message error flag	003 00	1,3
IDSTRA	MMD RAM altered detection	003 00	1
IDSTTE	MMD I/O transfer error	003 00	1
IDSTTF	MMD terminal flag	003 00	1,3
IDST(01-15)	X start of block - blocks 1-15	014 00	31
IDTDCA	TDC selected - LDDI	009 00	8
		012 00	35,62
IDTDCY	TDC Y rate - LDDI	009 00	8
		012 00	35,62

Input Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
IDURDY	HUD ready	012 00	35,62
IDXTDC	TDC X analog data - LDDI	009 00	8
		012 00	35,62
IEAAHF	Anti-ice add heat valve fail	005 00	38
IEAAUC	Avionics air undercool	005 00	38
IEAFTS	Avionics flow/temperature sensor fail	005 00	38
IEAGDL	Arresting gear damper pressure low	005 00	42
IEAHNU	Arresting hook not up	005 00	42,43
IEAØPL	Left AMAD oil pressure low	005 00	37
IEAØPR	Right AMAD oil pressure low	005 00	37
IEAPAL	APU accumulator low	005 00	41
IEAPCP	Air refueling probe control position	005 00	46
IEAPFØ	APU fuel valve not open	005 00	36
IEAPNF	APU no flame	005 00	36
IEAPØS	APU overspeed	005 00	36
IEAPØT	APU overtemperature	005 00	36
IEAPTØ	APU start period timer timed out	005 00	36
IEAPUØ	APU start on	005 00	36
IEASCF	Anti-skid controller fail	005 00	41
IEASLX	Left anti-skid transducer circuit fail	005 00	41
IEASRX	Right anti-skid transducer circuit fail	005 00	41
IEASVF	Anti-skid valve circuit fail	005 00	41
IEASWØ	Anti-skid switch off	005 00	41
IEATSØ	ATSCV open	005 00	36
IEBACL	Brake accumulator low	005 00	41
IEBALD	Bleed air leak detector	005 00	38
IEBDAF	MSDC fail	004 00	17,31
IEBDCB	DC bridge function fail	004 00	17
IEBDCC	MSDC CPU fail	004 00	17,31
IEBDCD	MSDC link terminal fail	004 00	17,31
IEBDCP	MDRM and recorder electronics fail	004 00	17
IEBDCX	MSDR link terminal fail	004 00	17,31
IEBDDF	MSDR fail	004 00	17,31
IEBDRC	MSDR CPU	004 00	17,31
IEBDRF	MDRM fail	004 00	17
IEBDRP	MSDR power control fail	004 00	17
IEBEGN	Recorder at beginning of tape	005 00	21,26
IEBFFA	BIT function 10 fail	004 00	17
IEBFFB	BIT function 11 fail	004 00	17
IEBFFC	BIT function 12 fail	004 00	17
IEBFFD	BIT function 13 fail	004 00	17
IEBFFF	Fuel flow function fail	004 00	17
IEBFFG	Forward fuselage strain gage fail	004 00	17

Input Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
IEBFF1	Left fuel flow section fail	004 00	17
		006 00	5
IEBFF2	Right fuel flow section fail	004 00	17
		006 00	5
IEBFF3	MMP communications fail	004 00	17
IEBFF(4-9)	BIT function 4-9 fail	004 00	17
IEBFM1	Left flowmeter fail	004 00	17
IEBFM2	Right flowmeter fail	004 00	17
IEBFSW	MSDR function status word	004 00	17
IEBFS2	MSDR function status word 2	004 00	17
IEBFS3	MSDR function status word 3	004 00	17
IEBFS4	MSDR function status word 4	004 00	17
IEBFS5	MSDR function status word 5	004 00	17
IEBIBC	MSDR test complete	004 00	10,17
IEBICB	Incomplete block	005 00	21,27
IEBICF	MSDC input discretes fail	004 00	17
IEBINT	MSDR in test	004 00	10,17
IEBIRF	MSDR inputs discretes fail	004 00	17
IEBLAC	Left accelerometer	004 00	17
IEBLHT	Left horizontal tail strain gage fail	004 00	17
IEBLN1	Left engine N1 sensor fail	004 00	17
IEBLN2	Left engine N2 sensor fail	004 00	17
IEBLTF	Left filter function fail	004 00	17
IEBLVT	Left vertical tail strain gage fail	004 00	17
IEBLWF	Left wing fold strain gage fail	004 00	17
IEBLWR	Left wing root strain gage fail	004 00	17
IEBMPF	MMP fail	004 00	17
IEBNGF	Bingo fuel	005 00	46
IEB∅DF	MSDR output discretes fail	004 00	17
IEBPLL	Left boost pressure low	005 00	46
		006 00	24
IEBPLR	Right boost pressure low	005 00	46
		006 00	24
IEBRAC	Right accelerometer fail	004 00	17
IEBRHT	Right horizontal tail strain gage fail	004 00	17
IEBRN1	Right engine N1 sensor fail	004 00	17
IEBRN2	Right engine N2 sensor fail	004 00	17
IEBRTF	Right filter function fail	004 00	17
IEBRVT	Right vertical tail strain gage fail	004 00	17
IEBSNG	MSDR system no go	004 00	10,17
IEBTCF	Tachometer function fail	004 00	17
IEBTHF	Thermocouple function fail	004 00	17
IEBTH1	Left fuel inlet temp sensor fail	004 00	17
IEBTH2	Right fuel inlet temp sensor fail	004 00	17

Input Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
IEBTTR	MSDR terminal test reply	004 00	24
IEB0AV	Recorder buffer 0 available	005 00	16,21,23,25
IEB1AV	Recorder buffer 1 available	005 00	16,21,23,25
IEB5VF	0-5 VDC functions fail	004 00	17
IEB501	Left EGT sensor fail	004 00	17
IEB502	Left engine oil pressure sensor fail	004 00	17
IEB503	Left nozzle position sensor fail	004 00	17
IEB504	Left CDP sensor fail	004 00	17
IEB505	Left TDP sensor fail	004 00	17
IEB506	Left inlet temp sensor fail	004 00	17
IEB508	Right EGT sensor fail	004 00	17
IEB509	Right engine oil pressure sensor fail	004 00	17
IEB510	Right nozzle position sensor fail	004 00	17
IEB511	Right CDP sensor fail	004 00	17
IEB512	Right TDP sensor fail	004 00	17
IEB513	Right inlet temp sensor fail	004 00	17
IEB515	Fuel quantity internal fail	004 00	17
IEB516	Fuel quantity total sensor fail	004 00	17
IECAHF	Cabin add heat valve fail	005 00	38
IECANU	Canopy unlock	005 00	44
IECBSW	Test battery switch	005 00	40
IECDPL	Left compressor discharge pressure	006 00	6,18,20,24
		014 00	27
IECDPR	Right compressor discharge pressure	006 00	6,18,20,24
		014 00	27
IECFTS	Cabin flow/temperature sensor fail	005 00	38
IECFVF	Cabin flow valve fail	005 00	38
IECIDV	MSDC input discretes valid	005 00	35,40,41,42, 43,44,46
IECØSI	Recorder continuous/single	005 00	21
IECTCF	Cockpit temperature control fail	005 00	38
IEC105	Fuel dump open	005 00	53
IEC106	Right shutoff valve not open	005 00	53
IEC107	Crossfeed valve not open	005 00	53
IEC108	Left shutoff valve not open	005 00	53
IEC110	Left bleed off	005 00	38
IEC111	Right bleed off	005 00	38
IEDCDL	Left duct door	005 00	36
IEDCDR	Right duct door	005 00	36
IEDØØ1	Boresight request word	005 00	31
IEEAHT	Essential avionics lot	005 00	38
IEEASP	Engine anti-ice switch position	005 00	37
IEEAVL	Left engine anti-ice valve position	005 00	37
		006 00	18,24

Input Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
IEEAVR	Right engine anti-ice valve position	005 00	37
		006 00	18,24
IEEBCF	Emergency battery/charger fail	005 00	40
IEEBL∅	Emergency battery low	005 00	40
IEECFL	ECS/electronic control unit fail	005 00	38
IEEGTL	Left exhaust gas temperature	006 00	3,6,12,24
		014 00	27
IEEGTR	Right exhaust gas temperature	006 00	3,6,12,24
		014 00	27
IEEITL	Left engine inlet temperature	006 00	6,9,13,17, 18,21,24
		014 00	27
IEEITR	Right engine inlet temperature	006 00	6,9,13,17, 18,21,24
		014 00	27
IEENDT	Recorder at end of tape	005 00	17,21,26
IEERM∅	Recorder in erase mode	005 00	21,29
IEFFSF	Forward fuselage strain gage fail	005 00	8
IEFFST	Forward fuselage strain	005 00	7,8
IEFGST	Fuel gaging system in test	005 00	47
IEFITL	Left fuel inlet temperature	005 00	46
		006 00	5,24
		014 00	27
IEFITR	Right fuel inlet temperature	005 00	46
		006 00	5,24
		014 00	27
IEFMPF	System flow modulator regulator pressure fail	005 00	38
IEF∅RV	Recorder forward/reverse	005 00	21
IEFQTT	Fuel quantity total	005 00	11
IEFUL∅	Fuel low	005 00	46
IEGGP1	Gun gas purge pressure fail (P1)	005 00	39,51
IEGGP2	Gun gas purge pressure fail (P2)	005 00	51
IEGPCF	Ground power circuit fail	005 00	40
IEH∅LL	Hydraulic system 1 oil level low	005 00	43
IEH∅LR	Hydraulic system 2 oil level low	005 00	43
IEIDTF	Ice detector fail	005 00	37
IEIICE	Inlet ice	005 00	36
IEILA∅	Internal low air pressure overpressure	005 00	46
IELBRF	Launch bar retract switch fail	005 00	42
IELCFL	Left line contactor fail	005 00	40
IELCFR	Right line contactor fail	005 00	40
IELDDD	Ladder deployed	005 00	44

Input Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
IELEPF	Landing gear control unit emergency power fail	005 00	42
IELFDV	Left filter data valid	006 00	5
IELGCF	Landing gear control unit fail	005 00	42
IELGDF	Left main gear down lock switch fail	005 00	42
IELGHD	Landing gear handle down	005 00	41,42
IELGNø	Left generator out	005 00	40
IELGUF	Left main gear uplock switch fail	005 00	42
IELGUL	Left main gear uplock	005 00	42
IELGWF	Left main gear weight on wheels switch fail	005 00	42
IELHST	Left horizontal tail strain	005 00	7,8
IELHTF	Left horizontal tail strain gage fail	005 00	8
IELøPL	Left engine oil pressure	006 00 014 00	6,15 27
IELøPR	Right engine oil pressure	006 00 014 00	6,15 27
IELøXL	Liquid oxygen low (40%)	005 00	44
IELPHø	Left pitot heat on	005 00	45
IELQLø	Radar liquid cooling system liquid level low	005 00	39
IELVST	Left vertical tail strain	005 00	7,8
IELVTF	Left vertical tail strain gage fail	005 00	8
IELXPL	Liquid oxygen pressure low	005 00	44
IEMCCV	MSDC CPU valid	006 00	2
IEMCRV	MSDC link terminal valid	006 00	2
IEMCXV	MSDR link terminal valid	006 00	2
IEMC79	Left AMAD oil temperature hot	005 00	37
IEMC80	Right AMAD oil temperature hot	005 00	37
IEMEFL	Left main fuel flow	006 00 014 00	5,13,24 27
IEMEFR	Right main fuel flow	006 00 014 00	5,13,24 27
IEMEST	Engine start recording	005 00	15
IEMMPA	MMP acknowledge	005 00	14
IEMMPC	MMP memory clear	005 00	14
IEMRCV	MSDR CPU valid	005 00 006 00	35 2
IENEøT	Recorder near end of tape	005 00	17,21
IENGDF	Nose gear down lock switch fail	005 00	42
IENGUF	Nose gear up lock switch fail	005 00	42
IENGUL	Nose gear uplock	005 00	42
IENGWF	Nose gear weight on wheels switch fail	005 00	42

Input Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
IENØZL	Left engine nozzle position	006 00	17,18,24
		014 00	27
IENØZR	Right engine nozzle position	006 00	17,18,24
		014 00	27
IEØGST	Oxygen gaging system in test	005 00	44
IEØXLL	Oxygen level low (10%)	005 00	44
IEPBAØ	Primary bleed air overpressure	005 00	38
IEPINØ	Recorder indicated track number	005 00	28
IEPPBØ	Present pointer buffer 0	005 00	24
IEPTHØ	Pitot heat on	005 00	45
IEPTNØ	Recorder track number	005 00	21
IERCDC	Radar liquid cooling system door closed	005 00	39
IERCFØ	Radar liquid cooling system filter overpressure	005 00	39
IERCPL	Radar liquid cooling system pressure low	005 00	39
IERCPØ	Radar liquid cooling system pump on	005 00	39
IERCSF	Radar coolant temperature sensor fail	005 00	38,39
IERCTH	Radar liquid cooling system temperature high	005 00	39
IERCVF	Radar liquid cooling system air flow valve fail	005 00	38,39
IERDMØ	Recorder in read mode	005 00	21,25
IERFDV	Right filter data valid	006 00	5
IERGDF	Right main gear down lock lock switch	005 00	42
IERGNØ	Right-generator out	005 00	40
IERGUF	Right main gear up lock switch fail	005 00	42
IERGUL	Right main gear uplock	005 00	42
IERGWF	Right main gear weight on wheels switch fail	005 00	42
IERHST	Right horizontal tail strain	005 00	7,8
IERHTF	Right horizontal tail strain gage fail	005 00	8
IERIDV	MSDR input discretes valid	005 00	32,40,41,42,46
IERØDV	MSDR output discretes valid	005 00	32
IERPHØ	Right pitot heat on	005 00	45
IERVST	Right vertical tail strain	005 00	7,8
IERVTF	Right vertical tail strain gage fail	005 00	8
IESBAØ	Secondary bleed air overpressure	005 00	38
IESBNU	Speed brake not up	005 00	43
IESLEW	Recorder slew	005 00	21,26
IESRCH	Recorder search	005 00	21,27
IESTME	MSDR message error flag	003 00	1,3
IESTTF	MSDR terminal flag	003 00	1,3
IES5V1	PFRT or QT engine	006 00	9
IETCHV	Tachometer data valid	006 00	4

Input Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
IETDPL	Left turbine discharge pressure	006 00	6,17,24
		014 00	27
IETDPR	Right turbine discharge pressure	006 00	6,17,24
		014 00	27
IETHDV	Thermocouple data valid	006 00	5
IETK1E	Tank no. 1 empty	005 00	48
IETK2S	Tank no. 2 start of depletion	005 00	48
IETK3S	Tank no. 3 start of depletion	005 00	48
IETK4E	Tank no. 4 empty	005 00	48
IEUBCF	Utility battery/charger fail	005 00	40
IEUBL∅	Utility battery low	005 00	40
IEVBCL	Left present vibration configuration	006 00	16
IEVBCR	Right present vibration configuration	006 00	16
IEVBL1	Left engine broad band vibration	006 00	5,16
		014 00	27
IEVBR1	Right engine broad band vibration	006 00	5,16
		014 00	27
IEVNBL	Left engine narrow band vibration	006 00	16
IEVNBR	Right engine narrow band vibration	006 00	16
IEVSCL	Left variable speed constant frequency fail	005 00	40
IEVSCR	Right variable speed constant frequency fail	005 00	40
IEVSTF	Vent suit temperature valve fail	005 00	38
IEWFSF	Left wing fold strain gage fail	005 00	8
IEWFST	Left wing fold strain	005 00	7,8
IEWGUN	Wind unlock	005 00	44
IEWRM∅	Recorder in write mode	005 00	21,23
IEWRSF	Left wing root strain gage fail	005 00	8
IEWRST	Left wing root strain	005 00	7,8
IEWSHT	Windshield hot	005 00	38
IEXNHL	Left compressor speed	005 00	46,48
		006 00	3,4,10,11 12,15,17,19 21,22,24
		014 00	27
IEXNHR	Right compressor speed	005 00	46,48
		006 00	3,4,10,11 12,15,17,19 21,22,24
		014 00	27
IEXNLL	Left fan speed	006 00	4,7,8,9,24
		014 00	27

Input Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
IEXNLR	Right fan speed	006 0	4,7,8,9,24
		014 00	27
IE5DCV	0-5 VDC data valid	006 00	6
IFALTS	Radar altitude selected	009 00	10
		012 00	35,62
IFATTS	Attitude selection	007 00	3
		012 00	35,62
IFBCFG	MFD configuration word	004 00	8
IFBCPF	HSI WRA fail	004 00	8,17
IFBDIT	MFD in test	004 00	8,10
IFBDTC	MFD test complete	004 00	8,10
IFBD1C	MDRI-1 test complete	004 00	8,10
IFBD1T	MFD repeater in test	004 00	10
IFBFF1	Right display function fail word	004 00	8
IFBFF2	Right display function fail word	004 00	8
IFBFLA	MDI port fail	004 00	8
IFBFLB	HUD port fail	004 00	8
IFBFLC	Signal generator 2	004 00	8
IFBFLD	Signal generator 1	004 00	8
IFBFLE	A/D fail	004 00	8
IFBFLF	Radar I/O fail	004 00	8
IFBFLG	MDI indicator fail	004 00	8
IFBFLH	HSD function status bits	004 00	8
IFBFLI	Spare lamp	004 00	8
IFBFLM	MDI sweep fail	004 00	8
IFBFLN	HSD function status bits	004 00	8
IFBFL1	HUD low voltage power supply fail	004 00	8
IFBFL2	HUD high voltage power supply fail	004 00	8
IFBFL3	HUD deflection	004 00	8
IFBFL4	HUD filament fail	004 00	8
IFBFL5	HUD Z amplifier fail	004 00	8
IFBFL6	HUD digital I/O fail	004 00	8
IFBFL7	Digital I/O fail	004 00	8
IFBFL8	MDI sweep fail	004 00	8
IFBFL9	MDRI port fail	004 00	8
IFBFSW	Right display function status word	004 00	8
IFBHDF	HUD WRA fail	004 00	8,17
IFBHDS	BIT, HSD ready MMD	004 00	8
IFBHIT	HSI in test	004 00	8,10
IFBHTC	HSI test complete	004 00	8,10
IFBH1C	HSI repeater test complete	004 00	8,10
IFBH1T	HSI repeater in test	004 00	8,10
IFBIBC	MFD system test complete	004 00	8,10
IFBINT	MFD system in test	004 00	8,10,22

Input Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
IFBMDI	MFD WRA fail	004 00	8,17
IFBMR1	MFD repeater WRA fail	004 00	8,17
IFBMR2	BIT, MDRI-2 ready MMD	004 00	8
IFBM2R	HSI repeater WRA fail	004 00	8,17
IFBSNG	MFD system no go	004 00	8,10
IFBTTR	MFD terminal test reply	004 00	24
IFBUIT	HUD in test	004 00	8,10
IFBUTC	HUD test complete	004 00	8,10
IFBWRA	Right display WRA fail word	004 00	8
IFCRSM	Course set minus	012 00	35,62
IFCRSP	Course set plus	012 00	35,62
IFELC∅	Elevation control	009 00	8
		012 00	35,62
IFHDGM	Heading set minus	012 00	35,62
IFHDGP	Heading set plus	012 00	35,62
IFHPB1	EHSI AC pushbuttons 1-10	014 00	30
IFHPB2	EHSI AC pushbuttons 11-20	014 00	30
IFHUDR	HUD symbol reject	012 00	35,62
IFH(01-20)A	EHSI AC pushbuttons 1-20	012 00	35,62
IFH(01-20)D	EHSI DC pushbuttons 1-20	012 00	35,62
IFIPB1	MFD AC pushbuttons 1-10	012 00	42,71
		014 00	4,30
IFIPB2	MFD AC pushbuttons 11-20	012 00	42,71
		014 00	30
IFIPB3	MFD DC pushbuttons 1-10	012 00	42,71
IFIPB4	MFD DC pushbuttons 11-20	012 00	42,71
IFI(01-20)A	RDDI AC pushbuttons 1-20	012 00	35,62
IFI(01-20)D	RDDI DC pushbuttons 1-20	012 00	35,62
IFSTB∅	MFD buffer overflow	003 00	1
IFSTLL	MFD no end statement	003 00	1
IFSTME	RDDI message error flag	003 00	1,3
IFSTRA	MFD RAM altered detection	003 00	1
IFSTTE	MFD I/O transfer error	003 00	1
IFSTTF	MFD terminal flag	003 00	1,3
IFTDCA	Throttle designator control selected	008 00	4
		009 00	8
		012 00	35,62
		017 00	3,6
IFTDCY	TDC Y rate - RDDI	009 00	4,8
		012 00	35,62
IFURDY	HUD ready	012 00	35,62
IFXTDC	TDC X analog data - RDDI	009 00	4,8
		012 00	35,62
IGBFFA	Pull back mode inoperative	004 00	17

Input Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
IGBFFB	Self-protect mode inoperative	004 00	17
IGBFFC	Target-of-opportunity mode inoperative	004 00	17
IGBFFD	HARM mode degraded	004 00	17
IGBFF(1-9)	Function fail 1-9	004 00	17
IGBFSW	HARM function status word	004 00	17
IGBIBC	HARM test complete (P/O IGBFSW)	004 00	10
IGBINT	HARM in test (P/O IGBFSW)	004 00	10,27
IGBSNG	HARM system no go (P/O IGBFSW)	004 00	10
IGBTTR	HARM terminal test reply	004 00	24
IGBWRC	Missile fail - station 3	004 00	17,27
IGBWRD	Missile fail - station 7	004 00	17,27
IGBWRE	Missile fail - station 2	004 00	17,27
IGBWRF	Missile fail - station 8	004 00	17,27
IGBWRG	CLC fail	004 00	17
IGDDLR	HARM limit	015 00	124
IGDMØD	HARM mode	009 00	105,122
		011 00	92
		015 00	122,124,131, 132
IGDPTP	Priority target	011 00	92
		015 00	99
IGDSA (0-7)	Target-of-opportunity scan activity - class 0 through 7	015 00	99
IGDSPB	Self-protect pullback	011 00	53
		017 00	6
IGDSPØ	Self-protect pullback override	011 00	53
		015 00	78
IGDTFL	Target out of field-of-view - left	015 00	124
IGDTFR	Target out of field-of-view - right	015 00	124
IGDTSR	Target-of-opportunity scan response	015 00	99,124
IGPTAZ	Priority target azimuth	011 00	92
IGPTEL	Priority target elevation	011 00	92
IGSTME	HARM message error flag	003 00	1,3
IGSTTF	HARM terminal flag	003 00	1,3
IKABRG	ADF bearing	013 00	9
		016 00	11
IKALTF	ALT WRA fail	004 00	17
IKAUGF	AUG WRA fail	004 00	17
IKBALC	ALT test complete	004 00	10
IKBALI	ALT in test	004 00	10
IKBARC	AUG test complete	004 00	10
IKBARI	AUG in test	004 00	10
IKBAZD	ILS azimuth deviation no go	004 00	17
IKBAZF	ILS azimuth flag fail	004 00	17

Input Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
IKBBCC	BCN test complete	004 00	10
IKBBCI	BCN in test	004 00	10
IKBBGF	TACAN bearing fail	004 00	17
IKBCFA	CSC fail MC-DL interrupt	004 00	17
IKBCFB	CSC fail UFC serial	004 00	17,31
IKBCFC	CSC fail UFC power	004 00	17,31
IKBCFE	CSC fail TACAN serial	004 00	17
IKBCFF	CSC fail A1 discrete outputs	004 00	17
IKBCFH	CSC fail mux miscellaneous out	004 00	17
IKBCFI	CSC fail ICS fail	004 00	17
IKBCFJ	CSC fail COMM 1 on/off	004 00	17
IKBCFK	CSC fail COMM 2 on/off	004 00	17
IKBCFL	CSC fail 1 UHF serial	004 00	17
IKBCFM	CSC fail 2 UHF serial	004 00	17
IKBCFP	CSC fail CSC power	004 00	17,31
IKBCFQ	CSC fail CPU	004 00	17,31
IKBCFR	CSC fail RAM	004 00	17,31
IKBCFS	CSC fail ROM	004 00	17,31
IKBCFT	CSC fail core	004 00	17,31
IKBCFX	CSC fail synchro	004 00	17
IKBCFY	CSC fail beacon encode/decode	004 00	17
IKBCFZ	CSC fail ILS azimuth/elevation	004 00	17
IKBCF0	CSC fail equipment ready	004 00	17
IKBCF1	CSC fail ILS on/off	004 00	17
IKBCF2	CSC fail ILS channel	004 00	17
IKBCF3	CSC fail IFF on/off	004 00	17
IKBCF4	CSC fail mode 1	004 00	17
IKBCF5	CSC fail mode 2	004 00	17
IKBCF6	CSC fail mode 3	004 00	17
IKBCF7	CSC fail mode 4	004 00	17
IKBCF8	CSC fail mode C	004 00	17
IKBCF9	CSC fail DL serial	004 00	17
IKBCMP	CSC system test complete	004 00	10
IKBCNF	Beacon WRA fail	004 00	17
IKBCSC	CSC test complete	004 00	10
IKBCSI	CSC in test	004 00	10
IKBCS2	CSC fail radar altitude serial	004 00	17
IKBELD	ILS elevation deviation no go	004 00	17
IKBELF	ILS elevation deviation flag fail	004 00	17
IKBEAR	TACAN bearing	007 00	65,73,77
		013 00	10,44
		016 00	11,16
IKBEMC	EMD test complete	004 00	10
IKBEMI	EMD in test	004 00	10

Input Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
IKBENG	CSC equipment no go	004 00	10
IKBFS3	CSC function status word	004 00	17
IKBFS4	CSC function status word	004 00	17
IKBFS5	CSC function status word	004 00	17
IKBFS6	CSC function status word	004 00	17
IKBIBC	IBS test complete	004 00	10
IKBIBI	IBS in test	004 00	10
IKBICC	ICS test complete	004 00	10
IKBICI	ICS in test	004 00	10
IKBIFC	IFF test complete	004 00	10
IKBIFI	IFF in test	004 00	10
IKBIF1	IFF mode 1 fail	004 00	17
IKBIF2	IFF mode 2 fail	004 00	17
IKBIF3	IFF mode 3/A fail	004 00	17
IKBIF4	IFF mode 4 fail	004 00	17
IKBILC	ILS test complete	004 00	10
IKBILI	ILS in test	004 00	10
IKBIMC	IFF mode C fail	004 00	17
IKBRAD	Radar altitude data go/no go	004 00	17
IKBRAR	Radar altitude reliability	004 00	17
IKBRGF	TACAN range fail	004 00	17
IKBRGV	TACAN bearing valid	007 00	2
		016 00	2
IKBRRF	TACAN range rate fail	004 00	17
IKBSIT	CSC system in test	004 00	10,22
IKBTCF	TACAN controls fail	004 00	17
IKBTNC	TCN test complete	004 00	10
IKBTNI	TCN in test	004 00	10
IKBTTR	CSC terminal test reply	004 00	24
IKBUFC	UFC test complete	004 00	10
IKBUFI	UFC in test	004 00	10
IKBWØH	CSC over-heat data	004 00	18
IKCSCF	CSC WRA fail	004 00	17,31
IKCSCØ	CSC WRA overheat	004 00	18
IKDAF1	Data link align frequency digit 1	013 00	29
		016 00	8
IKDAF2	Data link align frequency digit 2	013 00	29
		016 00	8
IKDAF3	Data link align frequency digit 3	013 00	29
		016 00	8
IKDLIP	Data link update in progress	003 00	4,10
		010 00	35
		016 00	10

Input Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
IKDØF1	Data link operating frequency digit 1	010 00 016 00	22 8
IKDØF2	Data link operating frequency digit 2	010 00 016 00	22 8
IKDØF3	Data link operating frequency digit 3	010 00 016 00	22 8
IKDPF0	Data link parity fault - Label	003 00 010 00 016 00	4,10 35 10
IKDPF1	Data link parity fault - Word 1	003 00 010 00 016 00	4,10 35 10
IKDPF2	Data link parity fault - Word 2	003 00 010 00 016 00	4,10 35 10
IKECØN	CSC EMCON status	013 00 016 00	54 14
IKIBUF	IBS WRA fail	004 00	17
IKICSF	ICS WRA fail	004 00	17
IKICSØ	ICS WRA overheat	004 00	18
IKIDW1	TACAN destination code	013 00	44
IKIDW2	TACAN destination code	013 00	44
IKIFFF	IFF WRA fail	004 00	17
IKILSF	ILS WRA fail	004 00	17
IKLBAC	Radar beacon ACLS interrogating	010 00	14
IKLBDE	Radar beacon decode	010 00 016 00	22 8
IKLBEN	Radar beacon encode	010 00 016 00	22 8
IKLDLA	Data link A-J	013 00 016 00	29 8
IKLDLC	Data link deck edge cable enable	013 00	29
IKLDLM	Data link missed message	013 00 016 00	29 8
IKLDLØ	Data link on	013 00 016 00	29 8
IKLDLU	Data link UTM	013 00 016 00	29 8
IKLDLX	Data link XDAT	013 00 016 00	29 8
IKLDL1	Data link word 1	003 00 010 00 016 00	4,10 35 10

Input Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
IKLDL2	Data link word 2	003 00	4,10
		010 00	35
		016 00	10
IKLDL3	Data link word 3	003 00	4,10
		010 00	35
IKLDMD	Data link mode	013 00	29
		016 00	8
IKLDML	Data link message label	003 00	4,10
		010 00	35
		016 00	10
IKMD00	Master caution reset	005 00	5
		014 00	16
		016 00	9
IKM4CL	IFF M4 caution light	005 00	33
IKPTCH	Pitch	007 00	16
IKPTCV	Pitch valid	007 00	2
		016 00	2
IKRACL	Radar beacon ACL	010 00	22
		016 00	8
IKRANG	TACAN range	007 00	2
		016 00	2
IKRBØN	Radar beacon on	010 00	10,22
		016 00	8
IKRDFV	ADF valid	013 00	29
		016 00	2
IKRF4R	IFF M4 reply light	005 00	33
IKRGRV	TACAN range rate valid	016 00	2
IKRGSD	ILS elevation deviation	011 00	27
IKRILC	ILS channel select	010 00	22
		016 00	8
IKRILØ	ILS on	010 00	22
		016 00	8
IKRLAW	Low altitude warning	011 00	3
IKRLCD	ILS azimuth deviation	011 00	27
IKRLGS	ILS elevation deviation valid	011 00	3
IKRLLC	ILS azimuth deviation valid	011 00	3
IKRNGV	TACAN range valid	007 00	2
IKRNRM	Radar beacon normal	010 00	22
		016 00	8
IKRØLL	Roll	007 00	16
IKRØLV	Roll valid	007 00	2
		016 00	2

Input Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
IKRRAL	Radar altitude	007 00	43,53,58
		009 00	10
		011 00	38
IKRRAR	Radar altitude rate	007 00	58
IKRRAV	Radar altitude valid	007 00	2
		011 00	3
		016 00	2
IKRSBY	Radar beacon standby	010 00	22
		016 00	8
IKRUDL	UFC data link pushbutton	013 00	29
IKRUSP	UFC A/P key	013 00	29
IKRXDT	Radar beacon XDAT	010 00	22
		016 00	8
IKSCC1	Station code character 1	011 00	59
		016 00	16
IKSCC2	Station code character 2	011 00	59
		016 00	16
IKSCC3	Station code character 3	011 00	59
		016 00	16
IKSIDV	Station indent valid	013 00	29
		011 00	3
		016 00	2
IKSTME	CSC message error flag	003 00	1,3
IKSTTF	CSC terminal flag	003 00	1,3
IKTCHN	TACAN channel	013 00	29
		016 00	2
IKTCNF	TCN WRA fail	004 00	17
IKTC∅N	TACAN on	013 00	29
		016 00	2
IKTCXY	TACAN Y mode	013 00	29
		016 00	2
IKTM∅D	TACAN operating mode	013 00	29
		016 00	2
IKUDCH	UFC data change code	013 00	29
		015 00	124
IKUDE1	UFC data entry	013 00	55,57,58,59, 60,61,62,63, 64,65,66,67
IKUM∅D	UFC mode code	013 00	29
		015 00	124
IK1E13	MC1 data link interrupt	003 00	4
IK2E13	MC2 data link interrupt	003 00	10
ILBAFF	Autotrack function fail	004 00	17
ILBASF	Aft section WRA fail	004 00	17

Input Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
ILBBSF	Boresight fail	004 00	17
ILBCTF	Controller WRA fail	004 00	17
ILBDGP	Degraded performance	004 00	17
ILBFCF	Sightline control function fail	004 00	17
ILBFEC	FEC electronics WRA fail	004 00	17
ILBFEF	Environmental control function fail	004 00	17
ILBFØH	FLIR overheat data	004 00	18
ILBFØS	Fan number 1 SRA fail	004 00	17
ILBFSF	Forward section WRA fail	004 00	17
ILBFSW	FLIR function status word	004 00	17
ILBFTF	Fan number 3 SRA fail	004 00	17
ILBFTS	Fan number 2 SRA fail	004 00	17
ILBIBC	FLIR test complete	004 00	10
ILBINT	FLIR in test	004 00	10
ILBIRF	FLIR system fail	004 00	17
ILBPSW	Power supply WRA fail	004 00	17
ILBRAF	Roll amp WRA fail	004 00	17
ILBRDF	Roll drive WRA fail	004 00	17
ILBRWF	Receiver WRA fail	004 00	17
ILBSCW	Servo control WRA fail	004 00	17
ILBSNG	FLIR system no go	004 00	10
ILBSØF	STAB optics WRA fail	004 00	17
ILBTTR	FLIR terminal test reply	004 00	24
ILDACQ	Acquisition enable	009 00	44
		015 00	140
ILDBHP	Black hop polarity	015 00	139
ILDCID	CID matrix valid	009 00	3,41
		015 00	143
ILDFCN	Focus value	015 00	142
ILDGMX	Gate maximum	009 00	44
ILDGNN	Gain value	015 00	142
ILDLVN	Level value	015 00	142
ILDMØD	FLIR mode	009 00	39,41,44,49
		015 00	140,141
ILDNFV	Narrow field-of-view	015 00	139
ILDØCØ	Offset designate reticle on	009 00	42
ILDRTN	Reticle brightness value	015 00	142
ILDSTS	FLIR status	009 00	39
		015 00	139
		017 00	9
ILDTGD	Target detected	009 00	44
		015 00	141
ILDTRV	FLIR target range vector valid	009 00	42,44
ILIDDD	Display deflection component of down	009 00	42

Input Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
ILIDDE	Display elevation component of down	009 00	42
ILIDDR	Display sightline component of down	009 00	3,42,43
		015 00	143
ILIDED	Display deflection component of east	009 00	42
ILIDEE	Display elevation component of east	009 00	42
ILIDER	Display sightline component of east	009 00	3,42,43
		015 00	143
ILIDND	Display deflection component of north	009 00	42
ILIDNE	Display elevation component of north	009 00	42
ILIDNR	Display sightline component of north	009 00	3,42,43
		015 00	143
ILSTME	FLIR message error flag	003 00	1,3
ILSTTF	FLIR terminal flag	003 00	1,3
ILTGRD	FLIR target range vector down	009 00	42,44
ILTGRE	FLIR target range vector east	009 00	42,44
ILTGRN	FLIR target range vector north	009 00	42,44
INAANG	Wander angle	007 00	9,56
INAATV	AHRS attitude valid	007 00	2
		016 00	2
INACCV	Horizontal acceleration valid	007 00	2
		016 00	2
INACV	Horizontal acceleration valid	007 00	2
		016 00	2
INACVV	Vertical (platform Z) acceleration valid	007 00	2
		016 00	2
INAH$\emptyset$P	AHRS hardware operation	007 00	2
		016 00	2
INALNC	Alignment complete	013 00	2
INALNH	Align hold	013 00	2
INALNQ	Alignment quality	007 00	29
		013 00	41
INALNT	Align time	013 00	41
INAPBS	Parking brake set	005 00	44
		007 00	2
		016 00	2
INAPHV	Platform heading valid	007 00	2
		016 00	2
INATTV	INS attitude valid	007 00	2
		016 00	2
INAVV	Vertical (platform Z) acceleration valid	007 00	2
		016 00	2
INBDRV	Body rates valid	007 00	2
		016 00	2
INBFFA	IMU discrete fail	004 00	17

Input Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
INBFFB	IMU analog signal fail	004 00	17
INBFFC	IMU fail interrupt	004 00	17
INBFFD	IMU initiated BIT fail	004 00	17
INBFF1	Time-out counter fail	004 00	17
INBFF2	Check sum fail	004 00	17
INBFF3	Memory test fail	004 00	17
INBFF4	Op code fail	004 00	17
INBFF5	Time counters fail	004 00	17
INBFF6	Discrete I/O fail	004 00	17
INBFF7	AMUX fail	004 00	17
INBFF8	Platform I/O fail	004 00	17
INBFF9	A/D fail	004 00	17
INBFSW	INS function status word	004 00	17
INBIAL	Barometric inertial altitude	007 00	46
INBIAV	Barometric inertial altitude valid	007 00	2
		016 00	2
INBIBC	INS test complete	004 00	10
INBIND	IMU fail	004 00	17
INBINT	INS in test	004 00	10
INBI∅H	IMU overheat	004 00	18
INBRV	Body rate valid	007 00	2
		016 00	2
INBSCF	SDC fail	004 00	17
INBSNG	INS system no go	004 00	10
INBS∅H	Signal data converter overheat	004 00	18
INBW∅H	INS overheat data	004 00	18
INBTTR	INS terminal test reply	004 00	24
INCALN	Carrier align (CV)	010 00	23
		013 00	2
INCT1	Compute time 1	007 00	53
INEACC	East/west acceleration	007 00	8
INEVEL	East/west velocity	007 00	24
		016 00	5
INFALN	Inflight align	013 00	2
INGALN	Ground align	013 00	2
INH∅VV	Horizontal velocities valid	007 00	2
		016 00	2
INHVV	Horizontal velocities valid	007 00	2
		016 00	2
INIRLH	Inner roll (raw)	007 00	55
INLATA	Lateral acceleration	007 00	4
		016 00	4
INLDAV	Load factor acceleration valid	007 00	2
		016 00	2

Input Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
INLØNA	Longitudinal acceleration	007 00 016 00	4 4
INMDSW	INS mode switch position	007 00	26
INNACC	North/south acceleration	007 00	8
INNRMA	Normal acceleration	007 00 016 00	4 4
INNVEL	North/south velocity	007 00 016 00	24 5
INØRLH	Outer roll (raw)	007 00 016 00	16,55 4
INØRØL	Outer roll	007 00 016 00	16 4
INPBST	Parking brake set	007 00 016 00	2 2
INPCHH	Pitch (raw)	007 00 016 00	16,55 4
INPHDG	Platform heading	007 00	12
INPHDH	Platform heading (raw)	007 00	56
INPHDV	Platform heading valid	007 00 016 00	2 2
INPLAT	Present position latitude	007 00 013 00 016 00	48,79 43 6
INPLØN	Present position longitude	007 00 013 00 016 00	48,79 43 6
INPØSV	Present position valid	007 00 016 00	2 2
INPRNB	Pitch rate narrow band	007 00 016 00	6 4
INPRWB	Pitch rate wide band	007 00	54
INPTCH	Pitch	007 00 016 00	16 4
INRRNB	Roll rate narrow band	007 00 016 00	6 4
INRRWB	Roll rate wide band	007 00	54
INSDLF	Set data link to SINS frequency	003 00 007 00 016 00	4 2 2
INSHDG	Stored heading available	007 00 013 00 016 00	2 2,23 2
INSHMD	Stored heading mode	007 00 016 00	2 2

Input Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
INSINV	Ship inertial navigation system data valid	007 00	2
		016 00	2
INSTME	INS message error flag	003 00	1,3
INSTTF	INS terminal flag	003 00	1,3
INTHDG	True heading	007 00	9
		016 00	2,4
INTHDV	True heading valid	007 00	2
		016 00	2
INVACC	Vertical acceleration	007 00	58
INVVEL	Vertical velocity	007 00	25
		016 00	5
INVVV	Vertical velocity valid	007 00	2
		016 00	2
INVVVL	Vertical velocity valid	007 00	2
		016 00	2
INXACC	Platform X acceleration	007 00	56
INXVEL	Platform X velocity	007 00	56
INYACC	Platform Y acceleration	007 00	56
INYRNB	Yaw rate narrow band	007 00	6
		016 00	4
INYRWB	Yaw rate wide band	007 00	54
INYVEL	Platform Y velocity	007 00	56
INZACC	Platform Z acceleration	007 00	56
INZVEL	Platform Z velocity	007 00	56
IRAACQ	Auto acquisition switch position	012 00	62,63
IRACCV	Acceleration validity	008 00	4,9
		017 00	3
IRACQS	Acquisition mode	008 00	2
		015 00	14,22,27, 70
		017 00	7
IRACTV	Active	008 00	2
IRAGRV	Air-to-ground ranging LOS valid	008 00	4
		009 00	10,30
IRAGTK	Angle track	008 00	4,9,13,16
		009 00	10,36
		011 00	3
		017 00	3
IRAZSC	Operating azimuth scan	015 00	1
IRBAEF	Antenna electronics fail	004 00	17
IRBAGF	Antenna azimuth gyro fail	004 00	17
IRBAØH	Antenna overheat	004 00	18
IRBAPF	Antenna azimuth pot fail	004 00	17

Input Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
IRBDEX	Radar border exceeded	008 00	6
		009 00	29
		015 00	1,11
IRBEGF	Antenna azimuth gyro fail	004 00	17
IRBEMG	Emergency activated	004 00	18,27
IRBEPF	Antenna elevation pot fail	004 00	17
IRBFSW	RDR function status word	004 00	17
IRBIBC	RDR test complete	004 00	10
IRBINT	RDR in test	004 00	10
		015 00	64
		016 00	2
IRBNFF	Antenna null fill switch fail	004 00	17
IRBP∅H	Radar data processor overheat	004 00	18
IRBPSF	Radar data processor fail	004 00	17
IRBRAF	Antenna fail	004 00	17
IRBREF	Receiver exciter fail	004 00	17
IRBRFF	Antenna RF channel switch fail	004 00	17
IRBRIB	Run IBIT	004 00	17
IRBR∅H	Receiver exciter overheat	004 00	18
IRBSNG	RDR system no go	004 00	10
IRBS∅H	Radar signal processor overheat	004 00	18
IRBSPF	Radar signal processor fail	004 00	17
IRBTFL	Transmitter flow low	004 00	18,27
IRBT∅H	Radar transmitter overheat	004 00	18
IRBTTR	RDR terminal test reply	004 00	24
IRBWGP	Waveguide pressure low	004 00	18,27
IRBW∅H	RDR overheat data	004 00	18
IRBXMR	Transmitter fail	004 00	17
IRCENE	Operating elevation scan center	008 00	12
IRCHAN	Operating transmission channel	015 00	12
IRCHFL	Present channel fail	008 00	2
		015 00	12
IRCLSD	Cursor LOS direction down	009 00	20
IRCLSE	Cursor LOS direction east	009 00	20
IRCLSN	Cursor LOS direction north	009 00	20
IRCLSV	Cursor LOS validity	009 00	2
IRCRGV	Cursor range/velocity validity	009 00	2
IRCRRV	Cursor symbol range/velocity position	008 00	12
		009 00	20,33,35
IRCRSX	Cursor symbol X-position	015 00	11
IRCRSY	Cursor symbol Y-position	015 00	11
IRCXYV	Cursor symbol X, Y validity	009 00	51
		015 00	11
IRDBMN	DBS map range minimum	015 00	17,26

Input Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
IRDBMX	DBS map range maximum	015 00	17
IRDBSA	DBS rotation angle	015 00	1
IRDB4I	DBS 4 look PDI inhibited	015 00	21,38
IRDISP	Radar operating display type	015 00	11
		017 00	7
IRDRX1	Radar mode word	008 00	2
IRELBR	Operating elevation bar scan	008 00	12
		015 00	1
IRFANB	Beam status fan/pencil	015 00	21,38
IRFLØD	Flood	008 00	2
		017 00	1
IRFLV(1-8)	Track while scan target (1-8) data validity	008 00	11
		015 00	7
IRFREZ	Display frozen	015 00	21,38
IRFRST	Operating target aging	015 00	17,32
IRGAIN	Gain control value	015 00	72
IRJAMC	Jam code	011 00	3
IRMDCG	Radar mode valid	008 00	2
		017 00	1
IRMDFL	Present mode fail	008 00	2
		015 00	12
IRMENT	Track memory elapsed time	011 00	76
		015 00	65
IRMØDE	Operating mode	008 00	2
		017 00	1
IRNCAC	Non cooperating target recognition	008 00	2
IRØPSW	Operate condition switch position	015 00	64
IRPDØN	Pulse doppler illumination on	008 00	3
		017 00	3
IRPRFI	Instantaneous prf	008 00	42,46
IRPRFM	Operating PRF mode	015 00	13,29
IRRAID	Raid	008 00	2
		015 00	6,9,17,18
IRRANG	Range	008 00	9,14
		009 00	10,36
		015 00	73
IRRATE	Range rate	008 00	9,14,36,42
		015 00	73
IRRATS	Special range rate	008 00	48
		017 00	5
IRRFMN	RF Manual	015 00	12,33
IRRGSL	Operating range scale	008 00	4
		015 00	1
		017 00	1

Input Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
IRRGTK	Range track	008 00	4,9,14,25 48,54
		009 00	10,30,36
		015 00	73
		017 00	5
IRRRTK	Range rate track	008 00	4,9,14,36, 48
		015 00	73
		017 00	5
IRSLNT	Silent	008 00	2
		015 00	13,21,34,38
IRSNRD	Track signal to noise data	008 00	42
IRSNRV	Track signal to noise validity	008 00	42
IRSTME	Radar message error flag	003 00	1,3
IRSTTF	Radar terminal flag	003 00	1,3
IRTAFL	TA fail (emergency)	015 00	19
IRTA(1-8)D	Track while scan target (1-8) acceleration down	008 00	11
IRTA(1-8)E	Track while scan target (1-8) acceleration east	008 00	11
IRTA(1-8)N	Track while scan target (1-8) acceleration north	008 00	11
IRTDSX	Target X display position	015 00	9
IRTDSY	Target Y display position	015 00	8
IRTGAX	Target acceleration forward	005 00	2
		008 00	9
IRTGAY	Target acceleration right	005 00	2
		008 00	9
IRTGAZ	Target acceleration down	005 00	2
		008 00	9
IRTGVD	Target ground velocity down	008 00	19
IRTGVE	Target ground velocity east	008 00	19
IRTGVN	Target ground velocity north	008 00	19
IRTGVX	Target airmass velocity forward	005 00	2
		008 00	9
IRTGVY	Target airmass velocity right	005 00	2
		008 00	9
IRTGVZ	Target airmass velocity down	005 00	2
		008 00	9
IRTKMM	Track memory	008 00	8,16,46,54
		009 00	36
		011 00	3
		015 00	18,19,65
		017 00	3,5

Input Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
IRTPUD	Target LOS direction - down	005 00 009 00	2 10,30,31,36
IRTPUE	Target LOS direction - east	005 00 009 00	2 30,31,36
IRTPUN	Target LOS direction - north	005 00 009 00	2 30,31,36
IRTPUX	Target line of sight direction forward	008 00 011 00	9,16,37,47 32
IRTPUY	Target line of sight direction right	008 00 011 00	9,16,47 32
IRTPUZ	Target line of sight direction down	008 00 011 00	9,16,47 32
IRTP(1-8)D	Track while scan target (1-8) line of sight direction down	008 00	11
IRTP(1-8)E	Track while scan target (1-8) line of sight direction east	008 00	11
IRTP(1-8)N	Track while scan target (1-8) line of sight direction north	008 00	11
IRTRAK	Track mode	008 00 015 00 017 00	2 9,13,14,19, 22,25,27,70, 72 1,3,7
IRTV(1-8)D	Track while scan target (1-8) velocity vector down	008 00	11
IRTV(1-8)E	Track while scan target (1-8) velocity vector east	008 00	11
IRTV(1-8)N	Track while scan target (1-8) velocity vector north	008 00	11
IRTWAQ	TWS file/direct track status	015 00	16,34
IRTWCN	TWS manual scan centering	015 00	16,33
IRTWLS	Track while scan launch range and steering target number	008 00 011 00 015 00	8,11 69 7,9
IRTWP1	TWS priority 1 target	015 00	7
IRTWP2	TWS priority 2 target	015 00	7
IRTWR(1-8)	Track while scan target (1-8) range	008 00	11
IRTWV(1-8)	Track while scan target (1-8) range rate	008 00	11
IRTW(1-8)X	TWS target 1 X-position	015 00	7,8,9
IRTW(1-8)Y	TWS target 1 Y-position	015 00	7
IRVEAH	Horizontal velocity error accuracy	007 00	29,33
IRVEAV	Vertical velocity error accuracy	007 00	29
IRVELV	Velocity validity	008 00 017 00	4,9,16,19 3

Input Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
IRVERE	East/west velocity error	007 00	29,30,31,33
IRVERN	North/south velocity error	007 00	29,30,31,33
IRVERV	Vertical velocity error	007 00	29,30,33
IRWIDE	Wide bar spacing	008 00	12
IWAZGA	Azimuth gimbal angle	009 00	106
IWBDGF	Gun decoder fail	004 00	17
IWBDG∅	Gun decoder overheat	004 00	18
IWBD1F	Decoder 1 fail	004 00	17
IWBD1∅	Decoder 1 overheat	004 00	18
IWBD2F	Decoder 2 fail	004 00	17
IWBD2∅	Decoder 2 overheat	004 00	18
IWBD3F	Decoder 3 fail	004 00	17
IWBD3∅	Decoder 3 overheat	004 00	18
IWBD4F	Decoder 4 fail	004 00	17
IWBD4∅	Decoder 4 overheat	004 00	18
IWBD6F	Decoder 6 fail	004 00	17
IWBD6∅	Decoder 6 overheat	004 00	18
IWBD7F	Decoder 7 fail	004 00	17
IWBD7∅	Decoder 7 overheat	004 00	18
IWBD8F	Decoder 8 fail	004 00	17
IWBD8∅	Decoder 8 overheat	004 00	18
IWBD9F	Decoder 9 fail	004 00	17
IWBD9∅	Decoder 9 overheat	004 00	18
IWBEJF	Emergency jettison switch fail on	004 00	17
IWBFCF	Fuse function control fail on	004 00	17
IWBFFA	PCKL GO - maintenance BIT	004 00	8
IWBFFB	TRIG GO - maintenance BIT	004 00	8
IWBFFC	SSP GO - maintenance BIT	004 00	8
IWBFFD	Switch test ready	004 00	8
IWBFF(1-8)	Bit function 1-8 fail	004 00	17
IWBFF9	SJET GO - maintenance BIT	004 00	8
IWBFS1	SMS BIT function status	004 00	8,17
IWBFS2	SMS function status word 2	004 00	17
IWBFS3	SMS function status word 3	004 00	17
IWBFS4	SMS function status word 4	004 00	17
IWBFS5	SMS function status word 5	004 00	17
IWBHL2	HARM loaded station 2	004 00	27
IWBHL3	HARM loaded station 3	004 00	27
IWBHL7	HARM loaded station 7	004 00	27
IWBHL8	HARM loaded station 8	004 00	27
IWBIBC	SMS test complete	004 00	8,10
IWBINT	SMS in test	004 00	8,10
IWBPKF	Release switch fail on	004 00	17
IWBSJF	Selected jettison switch fail on	004 00	17

Input Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
IWBSNG	SMS system no go	004 00	8,10
IWBSPF	Stores processor fail	004 00	17
IWBSP∅	Stores processor overheat	004 00	18
IWBST(1-8)	Station 1-8 function fail	004 00	17
IWBTTR	SMS terminal test reply	004 00	24
IWBT2F	Trigger switch fail on	004 00	17
IWBW∅H	SMS overheat data	004 00	18
IWDARM	Master arm	008 00	25,40,46
		009 00	110,117,119
		011 00	62,63
		015 00	113
IWDCUC	Cage/uncage switch	008 00	14,38
		009 00	105
		011 00	3
IWDGUL	Gear up and locked	015 00	81,108,112
IWDSCY	HARM sequence/FLIR field of view/raid switch	008 00	4
		009 00	122
IWDSC1	SMS discrete word 1	005 00	2
IWDSSA	HARM sequence/FLIR field of view/raid switch - aft	012 00	63
IWDSSF	HARM sequence/FLIR field of view/raid switch - forward	012 00	63
IWDSSL	HARM sequence/FLIR field of view/raid switch - left	012 00	63
IWDSSR	HARM sequence/FLIR field of view/raid switch - right	012 00	63
IWDTG1	Trigger (detent 1)	011 00	3
IWDTG2	Trigger (detent 2)	005 00	2,51
		008 00	54
		009 00	58
		011 00	3
		017 00	5
IWDWPG	Weapon select-gun	005 00	51
IWDWRL	Weapon release	009 00	63,66,67,94, 110,123,124
		011 00	3
IWELGA	Elevation gimbal angle	009 00	106
IWGFIR	Gun firing	005 00	39,47,51
IWGPV∅	Purge valve open	005 00	51
IWGRDL	Gun data round limit/last round	011 00	62,108
		015 00	113
IWGRDS	Gun data rounds remaining	008 00	25
		011 00	62,108
		015 00	113

Input Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
IWGRDY	Gun ready	011 00	105,108
		015 00	105
IWHGT∅	HARM gyro test option	015 00	122,123
IWHHPB	HARM under release discrete	009 00	124
		011 00	3
		017 00	6
IWHPST	Priority HARM weapon status	015 00	122
IWMATD	Audio threshold exceeded	008 00	38
IWMDUD	Dud release	011 00	109
IWMEDL	Engine derich (left)	006 00	24
IWMEDR	Engine derich (right)	006 00	24
IWMINC	Weapon/fuze incompatible	005 00	33
IWMLAU	Launch command	005 00	3
IWMLDF	Load fault	005 00	33
IWMLIM	Roll rate limiting required	007 00	2
IWMMTG	Maverick timing	015 00	125
IWMNFZ	No fuze	011 00	109
IWMRLU	Roll rate limit valid	007 00	2
IWMSKL	Seeker lock	008 00	38,40
		011 00	71,72,77
IWMTMD	AIM-9 test mode select	008 00	37
IWMVTR	Walleye pod video tape recorder on	015 00	119
IWMWUC	Weapon uncaged	015 00	125,130
IW∅CR∅	Crab option	015 00	130
IW∅DRF	Drag option - free fall	009 00	59
		015 00	89
IW∅DRR	Drag option - retard	009 00	59,60
		015 00	89
IW∅EFI	Electrical fuzing instantaneous	015 00	89
IW∅EF∅	Electrical fuzing off	015 00	89
IW∅EFV	Electrical fuzing VT(PROX)	015 00	89
IW∅EF1	Electrical fuzing delay 1	015 00	89
IW∅EF2	Electrical fuzing delay 2	015 00	89
IW∅INT	Interval option	015 00	88
IW∅MDA	TCA option	015 00	89
IW∅MDC	CCIP option	015 00	89
IW∅MDM	Manual option	015 00	89
IW∅MDT	Auto option	015 00	89
IW∅MFB	Mechanical fuzing nose/tail	015 00	89
IW∅MFI	Mechanical fuzing impact	015 00	89
IW∅MFL	Mechanical fuzing long delay	015 00	89
IW∅MFN	Mechanical fuzing nose	015 00	89
IW∅MF∅	Mechanical fuzing off	015 00	89
IW∅MFP	Mechanical fuzing primary	015 00	89

Input Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
IW∅MFT	Mechanical fuzing tail	015 00	89
IW∅MFX	Mechanical fuzing option	015 00	89
IW∅MLT	Multiple option	015 00	88
IW∅PT1	SMS option word	015 00	89
IW∅PT2	SMS fuze option word	015 00	89
IW∅QTY	Quantity option	015 00	88
IW∅RE∅	Recorder energize option	015 00	129
IW∅SA∅	Auto station lock override option	015 00	77
IW∅SRM	Sequence option - ripple salvo	015 00	89
IW∅SR1	Sequence option - ripple single	015 00	89
IW∅SSM	Sequence option - single	015 00	89
IW∅SS1	Sequence option - salvo	015 00	89
IW∅STP	Step option	015 00	77,116
		017 00	6
IWPEFZ	Electrical fuzing	015 00	91,93,94,95
IWPFFS	Free fall select	009 00	59,60,91,93, 94,123
		015 00	95
IWPGM1	SMS weapon delivery word	015 00	91,93,94
IWPGM2	SMS fuzing word	015 00	91,93,94
IWPGM3	SMS weapon interval word	015 00	94
IWPGM4	SMS reticle depression word	015 00	94
IWPINT	Interval	009 00	65,66,92,93, 94,95
		015 00	96
IWPMFZ	Mechanical fuzing	009 00	87
		015 00	91,93,94,95
IWPMLT	Multiple	009 00	65
		015 00	91,93,94,96
IWPM∅D	Weapon delivery mode	009 00	63
		015 00	88,91,93,94, 95
IWPQTY	Quantity	009 00	65
		015 00	91,93,94,96
IWPRET	Reticle depression	009 00	76
		011 00	106
		015 00	93,94,97
		017 00	6
IWPSEQ	Sequence	009 00	65
		015 00	91,93,94
IWREFZ	Program faults - electrical fuze	015 00	95
IWRGPC	A/G program complete	015 00	87
IWRGRD	A/G ready	011 00	105
		015 00	106,116

Input Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
IWRINT	Program faults-interval	015 00	96
IWRMFZ	Program faults-mechanical fuze	015 00	95
IWRMMD	Aircraft master mode	007 00	2
IWRMØD	Program faults - mode	015 00	95
IWRMUL	Program faults - multiple	015 00	96
IWRPST	Priority station number	008 00	27,41
		009 00	65,105,106, 123
		015 00	106,113,116
		017 00	4,8
IWRQTY	Program faults - quantity	015 00	96
IWRSEQ	Program faults - sequence	015 00	95
IWSCNT	Existing weapon count	008 00	40,46
		009 00	59
		011 00	63
IWSCØD	Selected weapon code	007 00	4,5
		008 00	1,4,5,26
		009 00	2,47,49,58, 59,60,61,87, 105,110,111, 122,123
		011 00	30,69,93,94, 104
		015 00	77,114
		017 00	3,4,6
IWSPGM	Program number (coded weapons)	015 00	87
IWSRDØ	Safe release-drag override	015 00	95
IWSREF	Safe release-electrical fuze	015 00	95
IWSREØ	Safe release-electrical fuze override	015 00	95
IWSRFZ	Safe release - fuze time	009 00	112
IWSRIN	Safe release-interval	015 00	96
IWSRML	Safe release-multiple	009 00	65
		015 00	96
IWSRQØ	Safe release-quantity override	009 00	65
		015 00	96
IWSRQT	Safe release-quantity	009 00	65
		015 00	96
IWSRSØ	Safe release-sequence override	009 00	65
		015 00	95
IWSRXØ	Safe release-multiple override	009 00	65
		015 00	96
IWSTME	SMS message error flag	003 00	1,3
IWSTTF	SMS terminal flag	003 00	1,3

Input Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
IW(1-9) CNT	Weapon count station 1 through 9	005 00 / 015 00	3 / 110
IW(1-9) CØD	Weapon code - station 1-9	005 00 / 015 00	3 / 109,110,111, 112
IW(1-9) DEC	Station 1 through 9 code and status	005 00 / 009 00	3 / 65
IW(1-9) DEG	Station 1 through 9 degraded	005 00 / 015 00	3 / 111
IW(2-8) LLS	Launch/VER lock status station 2 through 8	005 00 / 015 00	3 / 112
IW(2,3,5,7, 8)NFZ	Nose fuzing code station 2, 3, 5, 7 and 8	005 00	3
IW(2,3,5,7, 8)RID	Rack identification station 2, 3, 5, 7 and 8	005 00 / 015 00	3 / 110,112,113
IW(2,3,5,7, 8)RLS	Rack lock status station 2, 3, 5, 7 and 8	005 00 / 015 00	3 / 112
IW(1-9) SST	Station/weapon status station 1 through 9	005 00 / 015 00 / 017 00	3 / 111,112,128 / 6
IW(1-9) STA	Station 1 through 9 weapon code and status	005 00	3
IW(2,3,5,7, 8)TFZ	Tail fuzing code station 2, 3, 5, 7 and 8	005 00	3
IW9HCX	Head position X	008 00	39
IW9HCY	Head position Y	008 00	39
IXBFF(1-9)	LST/SCAM BIT function 1-9 fail	004 00	17
IXBFSW	LST function status word	004 00	17
IXBIBC	LST/SCAM test complete	004 00	10
IXBINT	LST/SCAM in test	004 00	10,22
IXBLIT	LST in test	004 00	10
IXBLTC	LST test complete	004 00	10
IXBSIT	SCAM in test	004 00	10
IXBSTC	SCAM test complete	004 00	10
IXBSNG	LST/SCAM system no go	004 00	10
IXBTTR	LST/SCAM terminal test reply	004 00	24
IXBWF1	LST detector fail	004 00	17
IXBWF2	LST/SCAM interface unit fail	004 00	17
IXBWF4	SCAM camera fail	004 00	17
IXBWF5	SCAM rotary mount fail	004 00	17
IXCCD1	LST laser code digit 1	015 00	150
IXCCD2	LST laser code digit 2	015 00	150
IXCCD3	LST laser code digit 3	015 00	150
IXCCD4	LST laser code digit 4	015 00	150

Input Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
IXCØDE	LST laser code	015 00	146,150
IXDAEV	SCAM center azimuth elevation valid	015 00	146
IXDCAM	SCAM installed	012 00	72
		015 00	145
IXDCDV	Code valid	015 00	147
IXDDLV	Depression limit valid	015 00	149
IXDEØF	End of film flag	015 00	151
IXDLST	LST installed	012 00	72
		015 00	145
IXDLSV	LOS direction cosine valid	009 00	11,16
IXDMØD	LST mode	009 00	11,12,13
		011 00	98
		015 00	146,147
IXDPMD	SCAM mode	015 00	145
IXDPMX	Depression limit	015 00	149
IXDSCW	LST scan pattern	009 00	11
		015 00	147,148
IXDSFR	SCAM frames remaining	015 00	151
IXDSRV	Scan center range valid	015 00	149
IXLØSD	LOS direction cosine down	009 00	14
IXLØSE	LOS direction cosine east	009 00	14
IXLØSN	LOS direction cosine north	009 00	14
IXSCAZ	Scan center azimuth	015 00	149
IXSCEL	Scan center elevation	015 00	149
IXSCRG	Scan center range	015 00	149
IXSTME	LST/SCAM message error flag	003 00	1,3
IXSTTF	LST terminal flag	003 00	1,3
I1DDWI	MUX ready status word	004 00	3
I1DPW1	MUX ready status word	004 00	3
I1STME	MC1 message error flag	003 00	1
I1STTF	MC1 terminal flag	003 00	1
I12BEC	MC1 BIT error	016 00	9
I2STME	MC2 message error flag	003 00	1,3
I2STTF	MC2 terminal flag	003 00	1,3
I801MI	Memory inspect address data content	014 00	9
I92S10	Trainer ID	009 00	8
I92S11	Hydraulic system 2B pressure low	004 00	27
		005 00	49
		016 00	9
I92S12	Hydraulic system 2A pressure low	004 00	27
		005 00	49
		016 00	9

Input Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
I92S13	Hydraulic system 1B pressure low	004 00	27
		005 00	49
		016 00	9
I92S14	Hydraulic system 1A pressure low	004 00	27
		005 00	49
		016 00	9

Output Reference Code To Module Reference

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
∅ ABADC	ADC hold option request	004 00	20,30,34
∅ ABIFT	ADC inflight indication	004 00	7,30,34
∅ ABITS	ADC initiated bit request	004 00	20,26,30,34
∅ AB∅PT	ADC bit option word	004 00	30,34
∅ ABRME	ADC relay mode enable	004 00	30,34
		014 00	5,6
∅ ABTTW	ADC terminal test word	004 00	24,34
∅ AFLPV	Flap data valid	007 00	57
∅ AGEAR	Gear extended	007 00	57
∅ AGRXV	Gear position valid	007 00	57
∅ ALEFL	Leading edge flap position	007 00	57
∅ AMCAL	MAD enable	014 00	6
∅ AMHM1	Heading 1 mode command	013 00	54,65
∅ AMHM2	Heading 2 mode command	013 00	54,65
∅ AMLV1	Heading 1 longitudinal field vector	013 00	54
∅ AMLV2	Heading 2 longitudinal field vector	013 00	54
∅ AMN∅1	Heading 1 nose value	013 00	65
∅ AMN∅2	Heading 2 nose value	013 00	65
∅ AMT∅1	Heading 1 tail value	013 00	65
∅ AMTV1	Heading 1 transverse field vector	013 00	54
∅ AMTV2	Heading 2 transverse field vector	013 00	54
∅ ATEFL	Trailing edge flap position	007 00	57
∅ APDIS	Negative load factor	005 00	46,52
∅ CAAD1	Ambient temperature valid	007 00	58
∅ CAAD2	Indicated impact pressure valid	007 00	58
∅ CAAD3	Impact pressure valid	007 00	58
∅ CAAD4	Indicated static pressure valid	007 00	58
∅ CAAD5	Static pressure valid	007 00	58
∅ CAAD6	Local angle of attack valid	007 00	58
∅ CAAD7	True angle of attack valid	007 00	58
∅ CAAD8	Mach number valid	007 00	58
∅ CAAD9	True airspeed valid	007 00	58
∅ CAATP	Ambient temperature	007 00	58
∅ CAATT	Attitude hold mode engage request	013 00	4,32,39
∅ CABAH	Barometric altitude hold mode engage request	013 00	4,34,39
∅ CABAP	APC BIT	004 00	30,34
∅ CABIA	Reference altitude	007 00	46
∅ CABIF	FCSA inflight indication	004 00	7,30,34
∅ CABIS	FCSA initiated BIT request	004 00	20,26,30,34

Output Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
∅CABMN	Maintenance BIT	004 00	30,34
∅CABNW	Nosewheel steering BIT	004 00	30,34
∅CAB∅P	FCSA BIT option word	004 00	30,34
∅CABTT	FCSA terminal test word	004 00	24,34
∅CABUT	BIT unique test	004 00	30,34
∅CADLH	Data link heading command	010 00	8,10
		011 00	15
		013 00	11
		015 00	68
∅CADLM	Data link mode request	010 00	19,20
∅CADLP	Data link longitude command	010 00	10
∅CADLR	Data link latitude command	010 00	10
∅CAHDG	Selected heading	013 00	30
∅CAHDH	Heading hold mode engage request	013 00	1
∅CAHDS	Heading select mode engage request	013 00	4,33,39
∅CAH1A	Branch 1A hydraulic pressure normal	004 00	27,30,34
∅CAH1B	Branch 1B hydraulic pressure normal	004 00	27,30,34
∅CAH2A	Branch 2A hydraulic pressure normal	004 00	27,30,34
∅CAH2B	Branch 2B hydraulic pressure normal	004 00	27,30,34
∅CAIIP	Indicated impact pressure	007 00	58
∅CAIN1	INS attitude valid	007 00	16
∅CAIN2	Reference altitude valid	007 00	43,44,46
∅CAIN3	Vertical velocity valid	007 00	25
∅CAIN4	Acceleration valid	007 00	58
∅CALAA	Local angle of attack	007 00	58
∅CAMCN	Mach number	007 00	58
∅CAMHD	Magnetic heading	007 00	9,14,15
∅CAMHV	Magnetic heading valid	007 00	9,12,14,15
∅CAPCH	Pitch angle	007 00	16
∅CAPSI	Indicated static pressure	007 00	58
∅CAPST	Static pressure	007 00	58
∅CAQIM	Impact pressure	007 00	58
∅CARAH	Radar altitude hold mode engage request	013 00	4,35,39
∅CARAL	Radar altitude	007 00	58
∅CARAR	Radar altitude rate	007 00	58
∅CARLV	Roll rate limit valid	007 00	2
∅CAR∅L	Roll angle	007 00	16
∅CARRA	Radar altitude available	007 00	58
∅CARRL	Roll rate limit request	007 00	2
∅CATAA	True angle of attack	007 00	58
∅CATAS	True airspeed	007 00	58
∅CAVAC	Vertical acceleration	007 00	58
∅CAVTV	Vertical velocity	007 00	25
∅CBBIF	FCSB inflight indication	004 00	7

Output Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
∅CBBIS	FCSB initiated BIT request	004 00	20,26
∅CBBTT	FCSB terminal test word	004 00	24
∅DBINF	MMD inflight indication	004 00	7,34
∅DBITS	MMD initiated BIT request	004 00	20,26,30,34
∅DB∅PT	MMD BIT option word	004 00	30,34
∅DBRME	MMD relay mode enable	004 00	30,34
		014 00	29,31
∅DBTTW	MMD terminal test word	004 00	24,34
∅DHSDC	MDG/HSD message code	012 00	35,62
∅DHUDC	Camera on	011 00	4
		012 00	35,62
∅DHUDE	Event marker on	011 00	4
		012 00	35,62
∅DHUDF	Low frame rate	011 00	4
		012 00	35,62
∅DLAMP	HSD lamp on	012 00	35,62
		013 00	74
∅DMAP∅	Map rotation angle	012 00	35,62
		013 00	53,76,79,87
∅DMAPY	Film position Y position	012 00	35,62
		013 00	53,76,81
∅DMMSW	Map mode switch	012 00	35,62
∅DRDRA	Raster rotation angle	012 00	35,39,62, 68
∅DRDRI	Raster inclusion	012 00	35,39,62, 68
∅DRDXL	Raster X left border	012 00	35,39,62, 68
∅DRDXR	Raster X right border	012 00	35,39,62, 68
∅DRDYB	Raster Y bottom border	012 00	35,39,62, 68
∅DRDYT	Raster Y top border	012 00	35,39,62, 68
∅DSLEW	Slew depression	012 00	35,62
∅DXLSW	Film position X position	012 00	35,62
		013 00	53,76,81
∅DXMSW	Film position X position	012 00	35,63
		013 00	53,76,81
∅EBIFT	MSDR inflight indication	004 00	7,34
∅EBITS	MSDR initiated BIT request	004 00	20,26,30,34
∅EBH∅P	MSDR hold option request	004 00	20,30,34
∅EB∅PT	MSDR BIT option word	004 00	30,34
∅EBSD1	Boresight command-tail number 1	005 00	31

Output Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
∅EBSD2	Boresight command-tail number 2	005 00	31
∅EBSD3	Boresight command-HUD	005 00	31
∅EBSD4	Boresight command-FLIR	005 00	31
∅EBSD5	Boresight command-GUN	005 00	31
∅EBSD6	Boresight command-LST	005 00	31
∅EBTTW	MSDR terminal test word	004 00	24,34
∅EBUTS	BIT unique tests	004 00	30,34
∅EB0SA	Buffer 0 starting address	005 00	21,24,50
∅EB1SA	Buffer 1 starting address	005 00	21,50
∅ECNTS	Recorder continuous/single	005 00	16
∅EDC10	ICS caution tone 1	005 00	54
∅EDC11	ICS caution tone 2	005 00	54
∅ED∅01	Boresight output word	005 00	31
∅EFWRV	Recorder forward/reverse	005 00	16,19,21
∅EMCLR	Memory clear/reset	005 00	14
∅EMMPC	MMP output message	005 00	14
001	ADC terminal fail	004 00	2
002	LDDI (MMD) terminal fail	004 00	2
003	RDDI (MFD) terminal fail	004 00	2
004	CSC terminal fail	004 00	2
005	INS terminal fail	004 00	2
006	Armament computer (SMS) terminal fail	004 00	2
007	FLIR terminal fail	004 00	2
010	Radar terminal fail	004 00	2
012	LST/SCAM terminal fail	004 00	2
014	FCSA terminal fail	004 00	2
015	FCSB terminal fail	004 00	2
017	Command Launch Computer (HARM) terminal fail	004 00	2
028	MC-1 terminal fail	004 00	2
029	MC-2 terminal fail	004 00	2
030	MSDR terminal fail	004 00	2
032	MC-1 WRA fail	016 00	9
036	MC-2 WRA fail	004 00	3
040	Radar Target Data Processor WRA fail	004 00	17
041	Radar Transmitter WRA fail	004 00	17
042	Radar Receiver-Exciter WRA fail	004 00	17
043	Radar Computer-Power Supply WRA fail	004 00	17
044	Radar Antenna WRA fail	004 00	17
045	Antenna servo electronics gimbal fail	004 00	17
046	Antenna azimuth potentiometer fail	004 00	17
047	Antenna elevation potentiometer fail	004 00	17
048	Antenna null horn diode switch fail	004 00	17
049	Antenna channel select switch fail	004 00	17

Output Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
050	Azimuth integrating gyro fail	004 00	17
051	Elevation integrating gyro fail	004 00	17
052	Run initiated BIT	004 00	17
067	Transmitter coolant flow low	004 00	27
068	Waveguide pressure low	004 00	27
069	Emergency mode activated	004 00	27
070	SMS fail	004 00	17
071	Left wingtip command encoder-decoder fail	004 00	17
072	Left outboard pylon command encoder-decoder fail	004 00	17
073	Left inboard pylon command signal encoder-decoder fail	004 00	17
074	Left fuselage command signal encoder-decoder fail	004 00	17
076	Right fuselage command signal encoder-decoder fail	004 00	17
077	Right inboard pylon command signal encoder-decoder fail	004 00	17
078	Right outboard pylon command signal encoder-decoder fail	004 00	17
079	Right wingtip command signal encoder-decoder fail	004 00	17
080	Gun command signal encoder-decoder fail	004 00	17
081	Power supply fail	004 00	17
082	Emergency jettison switch fail on	004 00	17
083	Selected jettison panel switch fail on	004 00	17
084	Trigger switch fail on	004 00	17
085	Bomb release switch fail on		
095	LDDI (MMD) WRA fail	004 00	17
096	RDDI (MFD) WRA fail	004 00	17
097	EHSI (HSD) WRA fail	004 00	17
098	HUD WRA fail	004 00	17
099	Rear LDDI WRA fail	004 00	17
100	Rear RDDI WRA fail	004 00	17
101	Rear center DDI fail	004 00	17
115	Signal data converter (INS) WRA fail	004 00	17
116	Inertial measurement unit (INS) WRA fail	004 00	17
125	ADC WRA fail	004 00	17
126	Right AOA fail	004 00	17
127	Left AOA fail	004 00	17
129	Total temperature out of range	004 00	17

Output Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
130	Standby pressure altimeter baro set potentiometer fail	004 00	17
131	MAD WRA fail	004 00	17
132	MAD compensator unit fail	004 00	17
133	Left/right AOA equality fail	004 00	17
134	Initiated BIT delta pressure fail	004 00	17
145	CSC WRA fail	004 00	17
146	ICS WRA fail	004 00	17
147	Radar altimeter fail	004 00	17
148	ILS WRA fail	004 00	17
149	Interference blanker WRA fail	004 00	17
150	IFF WRA fail	004 00	17
151	AUG receiver WRA fail	004 00	17
152	Tacan WRA fail	004 00	17
153	Beacon WRA fail	004 00	17
165	Signal data recorder WRA fail	004 00	17
166	Magnetic tape cartridge WRA fail	004 00	17
167	Signal data converter WRA fail	004 00	17
168	Nosewheel DDI (MMP) WRA fail	004 00	17
185	FCES computer programs not compatable	004 00	17
186	FCSA WRA fail	004 00	17
187	FCSB WRA fail	004 00	17
188	Linear electrical accelerometer A fail	004 00	17
189	Linear electrical accelerometer B fail	004 00	17
190	Air data sensor fail	004 00	17
191	Rate gyro A fail	004 00	17
192	Rate gyro B fail	004 00	17
193	Left AOA fail	004 00	17
194	Right AOA fail	004 00	17
195	Left pitot static system fail	004 00	17
196	Right pitot static system fail	004 00	17
197	ADC inputs to FCES fail	004 00	17
199	Trim switch fail	004 00	17
200	Run FCES initiated BIT	004 00	17
201	Left stabilizer servocylinder fail	004 00	17
202	Right stabilizer servocylinder fail	004 00	17
203	Left trailing edge flap servocylinder fail	004 00	17
204	Right trailing edge flap servocylinder fail	004 00	17
205	Leading edge servovalve assembly fail	004 00	17
206	Left aileron servocylinder fail	004 00	17
207	Right aileron servocylinder fail	004 00	17
208	Left rudder servocylinder fail	004 00	17

Output Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
209	Right rudder servocylinder fail	004 00	17
210	Nosewheel steering power unit fail	004 00	17
211	Left throttle load sensor motional pickup transducer fail	004 00	17
212	Right throttle load sensor motional pickup transducer fail	004 00	17
213	Left power lever control fail	004 00	17
214	Right power lever control fail	004 00	17
215	Longitudinal feel trim actuator fail	004 00	17
216	Leading edge flap drive unit fail	004 00	17
217	RMLG WOW input fail	004 00	17
218	LMLG WOW input fail	004 00	17
219	NLG WOW input fail	004 00	17
220	RMLG downlock input fail	004 00	17
221	LMLG downlock input fail	004 00	17
222	NLG downlock input fail	004 00	17
223	Loss of channel 1 input power	004 00	17
224	Loss of channel 2 input power	004 00	17
225	Loss of channel 3 input power	004 00	17
226	Loss of channel 4 input power	004 00	17
227	Plug disconnected	004 00	17
228	Plug disconnected	004 00	17
229	Plug disconnected	004 00	17
230	Plug disconnected	004 00	17
231	Plug disconnected	004 00	17
232	Plug disconnected	004 00	17
233	Control stick sensor fail	004 00	17
234	Rudder control fail	004 00	17
235	FCS control panel fail	004 00	17
236	Left asymmetry control fail	004 00	17
237	Right asymmetry control fail	004 00	17
238	Left asymmetry brake fail	004 00	17
239	Right asymmetry brake fail	004 00	17
240	Mechanical pitch fail	004 00	17
241	Mechanical roll fail	004 00	17
242	Mode select actuator fail	004 00	17
245	Left asymmetry fail	004 00	17
246	Right asymmetry fail	004 00	17
249	FLT CONTR ground power switch ON. Channel 1 and 2 fail	004 00	17
250	FLT CONTR ground power switch ON. Channel 3 and 4 fail	004 00	17
251	LAUNCH BAR switch in EXTEND position. Channel 2 fail	004 00	17

Output Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
252	LAUNCH BAR switch in EXTEND position. Channel 4 fail	004 00	17
253	WING FOLD switch in SPREAD position. Left wing unlocked	004 00	17
254	WING FOLD switch in SPREAD position. Right wing unlocked	004 00	17
255	Autopilot/nosewheel steering disengage switch. Channel 1 and 2 fail	004 00	17
256	Autopilot/nosewheel steering disengage switch. Channel 3 and 4 fail	004 00	17
257	FCS BIT switch. Channel 1 and 2 fail	004 00	17
258	FCS BIT switch. Channel 3 and 4 fail	004 00	17
259	FLAP switch. Channel 1 and 2 fail	004 00	17
260	FLAP switch. Channel 3 and 4 fail	004 00	17
265	T/O TRIM or RESET switch. Channel 1 and 2 fail	004 00	17
266	T/O TRIM or RESET switch. Channel 3 and 4 fail	004 00	17
267	Left aileron servocylinder hydraulic pressure switch fail channel 1	004 00	17
268	Left aileron servocylinder hydraulic pressure switch fail channel 4	004 00	17
269	Right aileron servocylinder hydraulic pressure switch fail channel 2	004 00	17
270	Right aileron servocylinder hydraulic pressure switch fail channel 4	004 00	17
271	Left rudder servocylinder hydraulic pressure switch fail channel 1	004 00	17
272	Left rudder servocylinder hydraulic pressure switch fail channel 4	004 00	17
273	Right rudder servocylinder hydraulic pressure switch fail channel 2	004 00	17
274	Right rudder servocylinder hydraulic pressure switch fail channel 3	004 00	17
275	APC engage/disengage switch fail channel 2	004 00	17
276	APC engage/disengage switch fail channel 4	004 00	17
277	Undesignate nosewheel steering switch fail channel 2	004 00	17
278	Undesignate nosewheel steering switch fail channel 4	004 00	17
279	MASTER CAUTION light/switch channel 2 reset fail	004 00	17

Output Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
280	MASTER CAUTION light/switch channel 4 reset fail	004 00	17
281	Plug disconnected	004 00	17
282	Plug disconnected	004 00	17
285	Plug disconnected	004 00	17
286	Plug disconnected	004 00	17
287	Plug disconnected	004 00	17
288	Plug disconnected	004 00	17
289	Plug disconnected	004 00	17
290	Plug disconnected	004 00	17
291	Plug disconnected	004 00	17
292	Plug disconnected	004 00	17
293	Plug disconnected	004 00	17
294	Plug disconnected	004 00	17
295	Plug disconnected	004 00	17
300	STAB optics WRA fail	004 00	17
301	Receiver WRA fail	004 00	17
302	Roll amp WRA fail	004 00	17
303	Roll drive WRA fail	004 00	17
304	Power supply WRA fail	004 00	17
305	Controller WRA fail	004 00	17
306	Servo control WRA fail	004 00	17
307	Forward section WRA fail	004 00	17
308	FEC electronic WRA fail	004 00	17
309	Aft section WRA fail	004 00	17
310	Fan number 1 SRA fail	004 00	17
311	Fan number 2 SRA fail	004 00	17
312	Fan number 3 SRA fail	004 00	17
325	LST detector fail	004 00	17
326	LST/SCAM interface unit fail	004 00	17
328	SCAM camera fail	004 00	17
329	SCAM rotary mount fail	004 00	17
375	Command launch computer (HARM) WRA fail	004 00	17
376	Station 2 HARM missile fail	004 00	17
377	Station 3 HARM missile fail	004 00	17
378	Station 7 HARM missile fail	004 00	17
379	Station 8 HARM missile fail	004 00	17
650	Left engine fan speed transmitter fail	006 00	4,26
651	Left engine compressor speed sensor fail	006 00	4,26
652	Left engine EGT sensor fail	006 00	6,26
655	Left engine nozzle position transmitter fail	006 00	TBD
656	Left engine vibration accelerometer fail	006 00	5,26

Output Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
657	Left engine fuel flow transmitter fail	006 00	5,26
658	Left fuel temperature sensor fail	006 00	5,26
659	Left engine compressor discharge pressure transmitter fail	006 00	6,26
660	Left engine turbine discharge pressure transmitter fail	006 00	6,26
661	Left engine inlet temperature transmitter fail	006 00	6,26
662	Left engine oil pressure transmitter fail	006 00	6,26
666	Right engine fan speed transmitter fail	006 00	4,26
667	Right engine compressor speed sensor fail	006 00	4,26
668	Right engine EGT sensor fail	006 00	6,26
671	Right engine nozzle position transmitter fail	006 00	TBD
672	Right engine vibration accelerometer fail	006 00	5,26
673	Right engine fuel flow transmitter fail	006 00	5,26
674	Right fuel temperature sensor fail	006 00	5,26
675	Right engine compressor discharge pressure transmitter fail	006 00	6,26
676	Right engine turbine discharge pressure transmitter fail	006 00	6,26
677	Right engine inlet temperature transmitter fail	006 00	6,26
678	Right engine oil pressure transmitter fail	006 00	6,26
701	Left engine compressor speed out of tolerance	006 00	17,26
702	Left engine level 3 EGT overtemp	006 00	12,14,26
703	Left engine fan vibration high	006 00	16,26
704	Left engine compressor vibration high	006 00	16,26
705	Left engine level 1 EGT overtemp	006 00	13,26
706	Left engine oil pressure high	006 00	15,26
707	Left engine oil pressure low	006 00	15,26
708	Left engine broad band vibration high	006 00	16,26
709	Left engine level 2 EGT overtemp	006 00	12,13,14,26
710	Left engine level 3 fan overspeed	006 00	8,9,26
711	Left engine level 2 fan overspeed	006 00	7,9,26
712	Left engine level 1 fan overspeed	006 00	7,26
713	Left engine level 3 compressor overspeed	006 00	11,26
714	Left engine level 2 compressor overspeed	006 00	10,26
715	Left engine level 1 compressor overspeed	006 00	10,26

Output Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
730	Left engine thrust low	006 00	18,26
731	Left engine nozzle position out of tolerance	006 00	17,26
751	Right engine compressor speed out of tolerance	006 00	17,26
752	Right engine level 3 EGT overtemp	006 00	12,14,26
753	Right engine fan vibration high	006 00	16,26
754	Right engine compressor vibration high	006 00	16,26
755	Right engine level 1 EGT overtemp	006 00	13,26
756	Right engine oil pressure high	006 00	15,26
757	Right engine oil pressure low	006 00	15,26
758	Right engine broad band vibration high	006 00	16,26
759	Right engine level 2 EGT overtemp	006 00	12,13,14,26
760	Right engine level 3 fan overspeed	006 00	8,9,26
761	Right engine level 2 fan overspeed	006 00	7,9,26
762	Right engine level 1 fan overspeed	006 00	7,26
763	Right engine level 3 compressor overspeed	006 00	11,26
764	Right engine level 2 compressor overspeed	006 00	10,26
765	Right engine level 1 compressor overspeed	006 00	10,26
780	Right engine thrust low	006 00	18,26
781	Right engine nozzle position out of tolerance	006 00	17,26
800	APU overspeed	005 00	36
801	APU overheat	005 00	36
802	APU no flame	005 00	36
804	APU start period timer timed out	005 00	36
805	APU fuel shutoff valve failed to open	005 00	36
811	ACFT overstress	005 00	13
812	Magnetic Tape Cartridge full	005 00	20
813	Left anti-ice fail	005 00	37
814	Right anti-ice fail	005 00	37
815	Inlet ice detector fail	005 00	37
816	Left AMAD oil pressure low	005 00	37
817	Right AMAD oil pressure low	005 00	37
820	ACS controller fail	005 00	38
821	Cabin airflow/temperature control fail	005 00	38
822	Avionics airflow/temperature sensor fail	005 00	38
823	Suit/cabin temperature control fail	005 00	38
824	System flow modulator pressure regulator valve fail	005 00	38
825	Cabin flow fail	005 00	38

Output Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
826	Radar liquid cooling airflow valve fail	005 00	38
827	Cabin temperature fail	005 00	38
828	Radar coolant temperature sensor fail	005 00	38
829	Anti-ice and heat control fail	005 00	38
830	Vent suit temperature fail	005 00	38
831	Bleed air leak detection fail	005 00	38
832	Primary bleed air overpressure	005 00	38
833	Secondary bleed overpressure	005 00	38
834	Left pitot heat circuit fail	005 00	45
835	Right pitot heat circuit fail	005 00	45
840	Radar liquid cooling system filter overpressure	005 00	39
841	Radar liquid cooling system pressure low	005 00	39
842	Radar liquid cooling system heat exchanger or fan fail	005 00	39
843	Radar liquid cooling system door operation fail	005 00	39
844	Radar liquid cooling system temperature high	005 00	39
870	Left generator converter unit fail	005 00	40
871	Right generator converter unit fail	005 00	40
872	Left power contactor fail	005 00	40
873	Right power contactor fail	005 00	40
880	Utility battery low	005 00	40
881	Utility battery and charger unit fail	005 00	40
882	Emergency battery low	005 00	40
883	Emergency battery and charger unit fail	005 00	40
884	Ground power circuit fail	005 00	40
890	Right MLG WOW switch fail	005 00	42
891	Left MLG WOW switch fail	005 00	42
892	NLG WOW switch fail	005 00	42
893	Right MLG downlock switch fail	005 00	42
894	Left MLG downlock switch fail	005 00	42
895	NLG downlock switch fail	005 00	42
896	Right MLG uplock switch fail	005 00	42
897	Left MLG uplock switch fail	005 00	42
898	NLG uplock switch fail	005 00	42
899	Launch bar retract switch fail	005 00	42
900	Landing gear control unit emergency power fail	005 00	42
905	Anti-skid controller fail	005 00	41
906	Anti-skid valve fail	005 00	41
907	Left anti-skid transducer fail	005 00	41

Output Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
908	Right anti-skid transducer fail	005 00	41
910	Right MLG uplock not achieved	005 00	42
911	Left MLG uplock not achieved	005 00	42
912	NLG uplock did not occur	005 00	42
915	Landing gear control unit fail	005 00	42
916	Arresting gear damper pressure low	005 00	42
940	Internal fuel transfer system fail	005 00	48
941	Fuel dump open	005 00	53
942	Right fuel shutoff valve closed and crossfeed valve open	005 00	53
943	Left fuel shutoff valve closed and crossfeed valve open	005 00	53
944	Left and right shutoff valves open and crossfeed valve closed	005 00	53
980	Left engine oil level low - set in MSDR		
981	Right engine oil level low - set in MSDR		
982	Left AMAD oil level low - set in MSDR		
983	Right AMAD oil level low - set in MSDR		
984	APU oil level low - set in MSDR		
985	Radar liquid cooling liquid level low	005 00	39
988	Fire extinguisher low - set in MSDR		
996	LOX low (40%)	005 00	44
997	Hydraulic system 1 oil level low	005 00	43
998	Hydraulic system 2 oil level low	005 00	43
999	Hydraulic system fluid level NABIT not performed	005 00	43
∅ERASE	Recorder erase	005 00	16,21,29
∅ERED0	Recorder read buffer 0	005 00	16,21,25
∅ERED1	Recorder read buffer 1	005 00	16,21,25
∅ESLEW	Recorder slew	005 00	16,21,26
∅ESRCH	Recorder search	005 00	16,21,27
∅ETRKN	Recorder track number	005 00	16,17,20,21, 28,50
∅EVBCL	Left vibration filter control	006 00	16
∅EVBCR	Right vibration filter control	006 00	16
∅EWRT0	Recorder write buffer 0	005 00	16,17,19,23
∅EWRT1	Recorder write buffer 1	005 00	16,17,19,23
∅FBINF	MFD inflight indication	004 00	7,34
∅FBITS	MFD initiated BIT request	004 00	20,26,30,34
∅FB∅PT	MFD BIT option word	004 00	30,34
∅FBRME	MFD relay mode enable	004 00 / 014 00	30,34 / 29,31
∅FBTTW	MFD terminal test word	004 00	24,34

Output Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
∅FHSDC	MDG/HSD message code	012 00	35,62
∅FHUDC	Camera on	012 00	35,62
∅FHUDE	Event marker on	012 00	35,62
∅FHUDF	Low frame rate	012 00	35,62
∅FLAMP	HSD lamp off	012 00	35,62
∅FMAP∅	Map rotation angle	012 00	35,62
∅FMAPY	Film Y position	012 00	35,62
∅FMMSW	Map mode switch	012 00	35,62
∅FRDRA	Raster rotation angle	012 00	35,39,62, 68
∅FRDRI	Raster inclusion	012 00	35,39,62, 68
∅FRDXL	Raster X left border	012 00	35,39,62, 68
∅FRDXR	Raster X right border	012 00	35,39,62, 68
∅FRDYB	Raster Y bottom border	012 00	35,39,62, 68
∅FRDYT	Raster Y top border	012 00	35,39,62, 68
∅FSLEW	Slew depression	012 00	35,62
∅FXLSW	Film position X	012 00	35.62
∅FXMSW	Film position X	012 00	35.62
∅GAALT	Aircraft altitude	007 00	42
∅GATAS	Aircraft true airspeed	007 00	22
∅GBHL2	HARM loaded station 2	004 00	27,30,34
∅GBHL3	HARM loaded station 3	004 00	27,30,34
∅GBHL7	HARM loaded station 7	004 00	27,30,34
∅GBHL8	HARM loaded station 8	004 00	27,30,34
∅GBH∅P	HARM hold option request	004 00	20,27,30,34
∅GBHPS	HARM priority station number	004 00	27,30,34
∅GBIFT	HARM inflight indication	004 00	7,27,34
∅GBITS	HARM initiated BIT request	004 00	20,26,27,30, 34
∅GB∅PT	HARM BIT option word	004 00	30,34
∅GBTTW	HARM terminal test word	004 00	24,34
∅GBUTS	BIT unique test	004 00	27,30,34
∅GDADV	Attitude data valid	007 00	18,42
∅GDM∅D	HARM mode	015 00	123
		017 00	6
∅GDRST	HARM threat reset	015 00	122,131
∅GDSEQ	HARM threat sequence	009 00	122
∅GDSP∅	Self protect pullback override	015 00	76,78
		017 00	6

Output Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
∅GDTDL	HARM limit	015 00	131
∅GDTH∅	TOO mode hand off	009 00	105
∅GDTSC	HARM scan	015 00	131
∅GPTCH	Aircraft pitch	007 00	18
∅GR∅LL	Aircraft roll	007 00	18
∅GTFTT	Harm type	013 00	67
∅GTGTC	Target class	013 00	67
		015 00	124
∅GTGTN	Target number	013 00	55
		015 00	124
∅GTGTT	Target type	013 00	67
		015 00	124
∅GTHDG	Aircraft true heading	007 00	18
∅HACAS	Rotatable aircraft symbol	013 00	9
∅HACLB	ACL/PCD box	013 00	17
∅HACLD	ACL command data	013 00	69
∅HACLX	ACL underline 1X	013 00	72
∅HACLY	ACL underline 1Y	013 00	72
∅HACL2	ACL underline 2	013 00	72
∅HACSR	Rotatable aircraft symbol	013 00	9
∅HACVE	Magnetic variation estimate cue	013 00	52
∅HACWE	Aircraft background	013 00	14,45
∅HADI∅	Electronic attitude director display	013 00	73
∅HALND	Carrier align data	013 00	42
∅HALN∅	Align OK	013 00	41
∅HALNQ	Align quality	013 00	41
∅HALNT	Data format	013 00	14,40,41,42, 45
∅HAPAD	Aircraft pitch angle for electronic attitude director display	013 00	73
∅HAPRD	Aircraft pitch rate for electronic attitude director display	013 00	73
∅HARAD	Aircraft roll angle for electronic attitude director display	013 00	73
∅HARRD	Aircraft roll rate for electronic attitude director display	013 00	73
∅HATRP	Aircraft turn rate for electronic attitude director display	013 00	73
∅HCACH	Aircraft heading pointer	013 00	9,27
∅HCAD0	Wind direction display	013 00	52
∅HCAHX	Course arrow head X position	013 00	7
∅HCAHY	Course arrow head Y position	013 00	7
∅HCAL0	ACL command altitude	013 00	70
∅HCAPD	ADF pointer angle	013 00	9

Output Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
⌀HCAS0	Wind speed display	013 00	52
⌀HCAS1	ACL command airspeed	013 00	70
⌀HCAV0	Aircraft magnetic variation display	013 00	52
⌀HCAWE	Wind estimate cue	013 00	52
⌀HCCHD	Command heading pointer	013 00	9,30
⌀HCCH0	Carrier heading display	013 00	58
⌀HCCS0	Carrier speed display	013 00	58
⌀HCDPD	Waypoint pointer angle	013 00	10
⌀HCEN0	Waypoint number display	013 00	21
⌀HCGPD	Ground track	013 00	9
⌀HCGS0	Ground speed display	013 00	44
⌀HCLXH	Course line head X position	013 00	7
⌀HCLXT	Course line tail X position	013 00	7
⌀HCLYH	Course line head Y position	013 00	7
⌀HCLYT	Course line tail Y position	013 00	7
⌀HCMDD	Digital command heading X	013 00	9
⌀HCMD0	Digital command heading	013 00	5
⌀HCMHD	Magnetic heading display	013 00	44
⌀HC⌀B0	Waypoint offset bearing	013 00	49
⌀HC⌀B2	Waypoint offset bearing	013 00	49
⌀HC⌀B6	Waypoint offset bearing	013 00	49
⌀HC⌀E0	Waypoint offset altitude	013 00	49
⌀HC⌀MP	Compass	013 00	9,27
⌀HC⌀⌀F	Pointer enables	013 00	9
⌀HC⌀⌀F	BIT O aircraft symbol	013 00	9,12
⌀HC⌀⌀F	BIT 1 aircraft heading marker	013 00	9
⌀HC⌀⌀F	BIT 3 heading alphanumerics	013 00	9
⌀HC⌀⌀F	BIT 5 ground track pointer	013 00	9
⌀HC⌀⌀F	BIT 6 TACAN pointer	013 00	10,12
⌀HC⌀⌀F	BIT 7 ADF pointer	013 00	9
⌀HC⌀⌀F	BIT 8 waypoint pointer	013 00	10,12
⌀HC⌀⌀F	BIT 11 command heading pointer	013 00	9
⌀HC⌀RD	Coordinates display	013 00	42,43,45, 52
⌀HC⌀R0	Waypoint offset range	013 00	49
⌀HCRAD	Compass radius	013 00	7,9
⌀HCRC0	ACL rate of climb	013 00	70
⌀HCRSD	Digital course	013 00	5,9
⌀HCRSL	Course line	013 00	9
⌀HCRSR	Course arrow head rotation	013 00	6,7
⌀HCTAD	TACAN pointer angle	013 00	10
⌀HCTC0	TACAN channel number	013 00	51,59
⌀HCTC2	TACAN X/Y mode	013 00	51,59
⌀HCTE0	TACAN altitude	013 00	51,59

Output Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
∅HCTV0	TACAN magnetic variation	013 00	51,59
∅HCVAT	Align type display enable	013 00	42
∅HCVT0	Align type	013 00	42
∅HCVT2	Align type	013 00	42
∅HCWE0	Waypoint altitude	013 00	49
∅HCWN0	Selection number	013 00	45
∅HCW∅P	Waypoint symbol	013 00	10
∅HCYCP	Compass Y position	013 00	7,9
∅HDALB	Data link box	013 00	17
∅HDATA	Latitude/longitude display	013 00	14,40,42,43, 45
∅HDATB	Data box	013 00	45
∅HDECC	Decentered compass	013 00	9
∅HGSPD	Ground speed display enable	013 00	44
∅HGSPY	Ground speed Y position	013 00	9
∅HIB∅X	ILS box	013 00	17
∅HLAT0	Latitude	013 00	43,49,50, 52,58
∅HLAT2	Latitude	013 00	43,49,50, 52
∅HLAT4	Latitude	013 00	43,49,50, 52,58
∅HLAT6	Latitude	013 00	58
∅HL∅N0	Longitude	013 00	43,49,50, 52,58
∅HL∅N2	Longitude	013 00	50
∅HL∅N4	Longitude	013 00	43,49,50, 52,58
∅HL∅N6	Longitude	013 00	43,49,50, 52,58
∅HLKEY	Left normal keys	013 00	14,18,19,20
∅HLSBX	Land/sea option box	013 00	26
∅HMAGH	Magnetic heading display enable	013 00	44
∅HMAGY	Heading Y position	013 00	9
∅HMANB	Manual box OP code	013 00	22,23,26
∅HMKN∅	Cyclic mark number	013 00	14
∅HMW1A	ACL group 1 message	013 00	71
∅HMW1B	ACL group 1 message	013 00	71
∅HMW1C	ACL group 1 message	013 00	71
∅HMW1D	ACL group 1 message	013 00	71
∅HMW2A	ACL MMD window 2 message	013 00	71
∅HMW2B	ACL MMD window 2 message	013 00	71
∅HMW2C	ACL MMD window 2 message	013 00	71
∅HMW2D	ACL MMD window 2 message	013 00	71

Output Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
∅HMW3A	ACL group 2C message	013 00	71
∅HMW3B	ACL group 2C message	013 00	71
∅HMW3C	ACL group 2C message	013 00	71
∅HMW3D	ACL group 2C message	013 00	71
∅HMW4A	ACL MMD window 4 message	013 00	71
∅HMW4B	ACL MMD window 4 message	013 00	71
∅HMW4C	ACL MMD window 4 message	013 00	71
∅HMW4D	ACL MMD window 4 message	013 00	71
∅HN∅WP	Carrier align background	013 00	42
∅HNRDR	NO RDR/RDR display	013 00	40,43
∅H∅KEY	Offset key	013 00	21
∅H∅PTK	Heading options	013 00	24,25
∅HPTK0	Alpha position type	013 00	14
∅HPTK2	Alpha position type	013 00	14
∅HSMR0	Compass range scale	013 00	27
∅HSTDB	Stored heading box	013 00	22,23
∅HSTDK	Stored heading key	013 00	22,23
∅HTB∅X	TACAN box	013 00	17
∅HTCB0	TACAN bearing display	013 00	44
∅HTCND	TACAN/waypoint data	013 00	45
∅HTCNR	TACAN range display enable	013 00	44
∅HTCNT	TACAN time-to-go display enable	013 00	44
∅HTCNX	TACAN situation X	013 00	5,9,10
∅HTCNY	TACAN situation Y	013 00	5,10
∅HTCR0	TACAN range display	013 00	44
∅HTCT0	TACAN time-to-go display	013 00	44
∅HTDCP	TDC priority cue display	013 00	29
∅HTSC0	TACAN destination code	013 00	44
∅HTSC2	TACAN destination code	013 00	44
∅HUBE0	Update bearing error	013 00	19
∅HUEU0	Units display	013 00	18
∅HURE0	Update range error	013 00	19
∅HUTMF	UTM fail	013 00	71
∅HVECB	VEC box	013 00	17
∅HVPK0	HSI second key labels	013 00	16
∅HVPK2	HSI second key labels	013 00	16
∅HVSIT	Vector situation	013 00	9,11,12
∅HVSX1	Vector offset dot X position	013 00	11
∅HVSX2	Vector attack heading X end point	013 00	11
∅HVSY1	Vector offset dot Y position	013 00	11
∅HVSY2	Vector attack heading Y end point	013 00	11
∅HWB∅X	Waypoint/target box	013 00	21
∅HW∅T0	Waypoint key	013 00	21
∅HWOT2	Waypoint key	013 00	21

Output Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
∅HWPBO	Waypoint bearing display	013 00	44
∅HWPR0	Waypoint range display	013 00	44
∅HWPTR	Waypoint range/bearing display enable	013 00	44
∅HWPTT	Waypoint time-to-go display enable	013 00	44
∅HWPTX	Waypoint situation X	013 00	5,9,10,12
∅HWPTY	Waypoint situation Y	013 00	5,10
∅HWPT0	Waypoint time-to-go display	013 00	44
∅HWSIT	Waypoint situation	013 00	10
∅HWSLW	Waypoint symbol	013 00	45
∅HWSYP	Waypoint symbol	013 00	45
∅JACLB	ACL pushbutton box	016 00	12
∅JCACH	Aircraft heading	016 00	11
∅JCAPD	ADF pointer-degrees	016 00	11
∅JC∅ ∅F	On/off	016 00	11
∅JC∅RD	Data X position	016 00	15
∅JCTPD	TACAN pointer-degrees	016 00	11
∅JC1AX	HYD 1A caution	016 00	13
∅JC1BX	HYD 1B caution	016 00	13
∅JC2AX	HYD 2A caution	016 00	13
∅JC2BX	HYD 2B caution	016 00	13
∅JD∅AA	Air-to-ground displays	017 00	7
∅JD∅AG	Skip air-to-ground and radar displays	017 00	7
∅JLAT0	Latitude characters	016 00	15
∅JLAT4	Latitude characters	016 00	15
∅JLAT6	Latitude characters	016 00	15
∅JL∅ N0	Longitude characters	016 00	15
∅JL∅N4	Longitude characters	016 00	15
∅JL∅N6	Longitude characters	016 00	15
∅JM∅D1	2 mode characters	017 00	7
∅JM∅D2	1 mode characters	017 00	7
∅JPPIM	Radar display	017 00	7
∅JSC1	Blank, 1 scale digit	017 00	7
∅JSC2	1 or 2 scale digits	017 00	7
∅JSTEP	Step button	017 00	8
∅JTCB0	TACAN bearing	016 00	16
∅JTCNR	TACAN range display enable	016 00	16
∅JTCR0	TACAN range display	016 00	16
∅JTSC0	TACAN destination code	016 00	16
∅JTSC2	TACAN destination code	016 00	16
∅KBALT	ALT initiated BIT request	004 00	20,26,30,34
∅KBAUG	AUG initiated BIT request	004 00	20,26,30,34
∅KBBCN	BCN initiated BIT request	004 00	20,26,30,34

Output Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
∅KBCSC	CSC initiated BIT request	004 00	20,26,30,34
∅KBEMD	EMD initiated BIT request	004 00	20,26,30,34
∅KBIBU	IBS initiated BIT request	004 00	20,26,30,34
∅KBICS	ICS initiated BIT request	004 00	20,26,30,34
∅KBIFF	IFF initiated BIT request	004 00	20,26,30,34
∅KBILS	ILS initiated BIT request	004 00	20,26,30,34
∅KBINF	CSC inflight indication	004 00	7,34
∅KBITS	BIT initiate/test stop	004 00	30,34
∅KB∅PT	CSC bit option word	004 00	30,34
∅KBTNI	TCN initiated BIT request	004 00	20,26,30,34
∅KBTTW	CSC terminal test word	004 00	24,34
∅KBUFC	UFC initiated BIT request	004 00	20,26,30,34
∅KBUFH	UFC BIT hold option	004 00	20,30,34
∅KBUNT	BIT initiates, CSC peripherals	004 00	30,34
∅KDAF1	DL align frequency digit 1	010 00 / 016 00	21,22,24,28 / 8
∅KDAF2	DL align frequency digit 2	010 00 / 016 00	21,22,24,28 / 8
∅KDAF3	DL align frequency digit 3	010 00 / 016 00	21,22,24,28 / 8
∅KD∅F1	DL operating frequency digit 1	010 00 / 016 00	21,22,24,28 / 8
∅KD∅F2	DL operating frequency digit 2	010 00 / 016 00	21,22,24,28 / 8
∅KD∅F3	DL operating frequency digit 3	010 00 / 016 00	21,22,24,28 / 8
∅KLBDE	Radar beacon decode	010 00 / 016 00	22,28 / 8
∅KLBEN	Radar beacon encode	010 00 / 016 00	22,28 / 8
∅KLDLA	DL A-J	010 00 / 016 00	21,22,24,28 / 8
∅KLDLC	DL status command	010 00 / 016 00	21,22,24,28 / 8
∅KLDL∅	DL on	010 00 / 016 00	21,22,24,28 / 8
∅KLDLU	DL UTM	010 00 / 016 00	21,22,24,28 / 8
∅KLDLX	DL XDAT	010 00 / 016 00	21,22,24,28 / 8
∅KLDMD	DL mode	010 00 / 016 00	21,22,24,28 / 8
∅KLRBC	Radar beacon status command	010 00 / 016 00	21,22,28 / 8

Output Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
∅KLU31	Option 3 character 1	013 00	54
∅KLU32	Option 3 character 2	013 00	54
∅KLU33	Option 3 character 3	013 00	54
∅KLU34	Option 3 character 4	013 00	54
∅KMD00	Master caution	005 00	5,54
		014 00	16
		016 00	9
∅KMD12	Shoot light	011 00	56,61,97,100
∅KMD13	Lock light on command	008 00	8
∅KMD14	Comm 1 key on	009 00	110
∅KMD15	Comm 2 key on	009 00	110
∅K∅CU1	UFC option cue 1	013 00	38
∅K∅CU2	UFC option cue 2	013 00	38
∅K∅CU3	UFC option cue 3	013 00	38
∅K∅CU4	UFC option cue 4	013 00	38
∅K∅CU5	UFC option cue 5	013 00	38
∅KRACL	Radar beacon ACL	010 00	22,28
		016 00	8
∅KRB∅N	Radar beacon on	010 00	21,22,28
		016 00	8
∅KRILC	ILS channel	010 00	22
		016 00	8
∅KRIL∅	ILS on	010 00	22,28
		016 00	8
∅KRILS	ILS status command	010 00	22,28
		016 00	8
∅KRIT1	ICS tone 1	005 00	54
∅KRIT2	ICS tone 2	005 00	54
∅KRNRM	Radar beacon normal	010 00	22,28
		016 00	8
∅KRSBY	Radar beacon standby	010 00	21,22,28
		016 00	8
∅KRXDT	Radar beacon XDAT	010 00	22,28
		016 00	8
∅KTCHN	TACAN channel	007 00	63
∅KTC∅N	TACAN on	007 00	63
∅KTCTC	TACAN status command	007 00	52,63
∅KTCXY	TACAN Y mode	007 00	63
∅KTM∅D	TACAN operating mode	007 00	63
∅KUB∅R	UFC blanking override	013 00	55
∅KUM∅D	UFC mode command	013 00	38,54,55,56, 58,59,60, 61,62,63,64 65,66,67,68

Output Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
∅KWPND	UFC option masks and overrides	013 00	54,55,62,66, 67
∅LAALT	Aircraft altitude above target	009 00	10
∅LACPR	Aircraft pitch rate	007 00	6
∅LACRR	Aircraft roll rate	007 00	6
∅LACYR	Aircraft yaw rate	007 00	6
∅LBIFT	Inflight indication to FLIR	004 00	7,34
		016 00	9
∅LBITS	FLIR initiated BIT request	004 00	20,26,30,34
∅LB∅PT	FLIR bit option word	004 00	30,34
∅LBTTW	FLIR terminal test word	004 00	24,34
∅LDAAV	Aircraft attitude valid	007 00	18
∅LDACQ	FLIR acquisition command	009 00	21,39,41
∅LDALS	Aircraft altitude source	009 00	10
∅LDARV	Aircraft body rates valid	007 00	6
∅LDBHP	FLIR black hot polarity	009 00	39
		015 00	137
∅LDDEC	Decrease command	015 00	142
∅LDEC∅	FLIR emergency cooling on	009 00	39
∅LDFCA	Focus adjust	015 00	142
∅LDGNA	Gain adjust	015 00	142
∅LDGS∅	FLIR gray scale on	009 00	39
		015 00	133,138
∅LDINC	Increase command	015 00	142
∅LDL∅S	Commanded line of sight direction cosines valid	009 00	21,40,53
∅LDLVA	Level adjust	015 00	142
∅LDM∅D	FLIR mode	009 00	3,21,39,41,44, 46,70
		017 00	6
∅LDMTG	Moving target	009 00	3,39,44
		015 00	141
∅LDNFV	Narrow field-of-view	009 00	39
		015 00	137
∅LD∅C∅	Offset designate reticle on	009 00	3,21,39,42,44
∅LD∅LT	FLIP open loop track command	009 00	39
∅LDRTA	Reticle brightness adjust	015 00	142
∅LDRT∅	Field-of-view reticle on	009 00	21,39
		015 00	137
∅LDSTB	Stabilized	009 00	3,21,39,46,70
∅LDUWN	FLIR unwind	009 00	39
∅LDXYR	Commanded line of sight rates valid	009 00	2,21,39,40,41, 53
∅LHEAD	Aircraft true heading	007 00	18

Output Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
∅LL∅SD	FLIR line of sight - down	009 00	40,53
∅LL∅SE	FLIR line of sight - east	009 00	40,53
∅LL∅SN	FLIR line of sight - north	009 00	40,53
∅LLRTD	FLIR line of sight deflection rate	009 00	41
∅LLRTE	FLIR line of sight elevation rate	009 00	41
∅L∅DRD	Offset designation reticle Y	009 00	42,52
∅L∅DRE	Offset designation reticle elevation range	009 00	42,52
∅LPTCH	Aircraft pitch	007 00	18
∅LR∅LL	Aircraft roll	007 00	18
∅NADRV	Air data velocities	007 00	33,34
∅NAFEN	Fast erect enable	013 00	24
∅NAW∅W	Weight on wheels	007 00	2
∅NBIFT	INS inflight indication	004 00	7,34
∅NBITS	INS initiated BIT request	004 00	20,26,30,34
∅NBLND	Ground operation	004 00	30,34
∅NB∅PT	INS BIT option word	004 00	30,34
		014 00	4
∅NBRME	INS relay mode enable	014 00	5,6
∅NBSEA	Carrier operation	004 00	30,34
∅NBTLG	Long initiated BIT operation	004 00	30,34
		014 00	4
∅NBTTW	INS terminal test word	004 00	24,34
∅NBUTS	BIT unique test	004 00	30,34
∅NCHDG	Carrier heading	013 00	58
∅NCVEL	Carrier speed	013 00	58
∅NDELA	Latitude update (delta)	007 00	79
∅NDEL∅	Longitude update (delta)	007 00	79
∅NDLIP	Data link update in progress	003 00	4
∅NDLML	Data link message label	003 00	4
∅NDLW1	Data link word 1	003 00	4
∅NDLW2	Data link word 2	003 00	4
∅NDLW3	Data link word 3	003 00	4
∅NDPF0	Data link parity fault - label	003 00	4
∅NDPF1	Data link parity fault - word 1	003 00	4
∅NDPF2	Data link parity fault - word 2	003 00	4
∅NDPRV	Doppler velocities	007 00	33,34
∅NFEEN	Fast erect enable	013 00	24
∅NHDGV	True heading reference valid	007 00	18
∅NMC13	Data link input/output complete	003 00	4
∅NMGHD	True heading reference	007 00	18
∅NMNRQ	INS manual CV align output	013 00	22
∅NPALT	Pressure altitude	007 00	44,45
∅NPALV	Pressure altitude valid	007 00	43,44,45

Output Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
⌀NPPLA	Present position latitude	007 00	47
⌀NPPL⌀	Present position longitude	007 00	47
⌀NPUDS	Update selected	007 00	79
⌀NRVVD	Reference velocities valid	007 00	33,34
⌀NSTHD	Stored heading selected	013 00	22
⌀NUTYP	Type of update selected	007 00	79
⌀NVELQ	Reference velocity quality	007 00	33
⌀NVERF	Velocity east reference	007 00	33,34
⌀NVNRF	Velocity north reference	007 00	33,34
⌀NVVRF	Vertical velocity reference	007 00	33,34
⌀NW⌀NW	Weight on wheels	007 00	2
⌀RACQI	Slaved auto acquisition command	008 00	5
		009 00	2
⌀RACTV	Active command	008 00	2,6
⌀RACVB	Acceleration valid	007 00	56
⌀RACXB	INS platform X acceleration	007 00	56
⌀RACYB	INS platform Y acceleration	007 00	56
⌀RACZB	INS platform Z acceleration	007 00	56
⌀RAGAQ	Air-to-ground acquisition command	009 00	2,28,33,34
⌀RAHRB	AHRS hardware operation	007 00	53
⌀RALGN	Inflight alignment	007 00	26
⌀RATVB	Attitude valid	007 00	55
⌀RAZ⌀F	Azimuth lines off command	017 00	3
⌀RAZSC	Azimuth scan command	008 00	5
		009 00	28
		015 00	34,36,38,44, 45
		017 00	3,6
⌀RAZVB	Z acceleration valid	007 00	56
⌀RBH⌀P	Radar BIT hold option	004 00	30,34
⌀RBIFT	Inflight indication to radar	004 00	7,34
		016 00	9
⌀RBITS	RDR initiated BIT request	004 00	20,26,30,34
⌀RBM⌀R	Beam override command	015 00	34,38,42
⌀RB⌀PT	RDR BIT option word	004 00	30,34
⌀RBRLY	Display relay mode on	014 00	5,6
⌀RBRVB	Body rates valid	007 00	54
⌀RBTTW	Radar terminal test word	004 00	24,34
⌀RBUTS	RDR hold option request	004 00	20,30,34
⌀RCHAN	RF transmission channel command	015 00	12,33
⌀RCR⌀F	Cursor off command	009 00	51
		012 00	63
⌀RCRRT	Cursor return command	008 00	6
		015 00	61

Output Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
∅RCURS	Cursor position request	009 00	2,28,33,34
∅RDB4I	DBS4 look PDI inhibit command	015 00	38
∅RDRFT	Drift angle	007 00	40
		016 00	5
∅RDRFV	Drift angle valid	007 00	40
∅RDRMD	Radar mode command	007 00	31,33,35
		008 00	2,4,5
		009 00	20,23,28,30, 32,37
		015 00	27,30,34,38, 39,40,41,53, 60
		017 00	3,6
∅RELBR	Elevation bar scan command	008 00	4,5
		015 00	31,38,54
∅RELCN	Radar elevation rate command	009 00	4,8
∅RERAS	Erase command	015 00	61
∅RFL∅D	Flood mode command	008 00	3,54
		017 00	3,5
∅RF∅L∅	Follow the cursor command	008 00	5
		015 00	1,11,45
∅RFREZ	Freeze command	015 00	61
∅RFRST	Target aging command	008 00	5
		015 00	32,38,55
∅RHAGV	Altitude (above ground level) valid	007 00	53
∅RHDVB	Platform heading valid	007 00	56
∅RHMSL	Altitude	007 00	42
∅RHMSV	Altitude valid	007 00	42
∅RHRDR	Altitude (above ground level) valid	007 00	53
∅RIBST	Boresight inhibit command	012 00	63
∅RIHAQ	HUD acquisition inhibit command	012 00	63
∅RIRLB	Inner roll	007 00	55
∅RIVAQ	Vertical acquisition inhibit command	012 00	63
∅RL∅SD	Commanded line of sight direction down	008 00	13
		009 00	30,118,119
∅RL∅SE	Commanded line of sight direction east	008 00	13
		009 00	30,118,119
∅RL∅SN	Commanded line of sight direction north	008 00	13
		009 00	30,118,119
∅RL∅SV	Commanded line of sight validity	008 00	2,13
		009 00	2,28,118,119
∅RLRTD	Line of sight angular rate down	009 00	118,121
∅RLRTE	Line of sight angular rate east	009 00	118,121
∅RLRTN	Line of sight angular rate north	009 00	118,121

Output Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
∅RLRTV	Commanded LOS angular rate valid	009 00	2,28,118,120,121
∅RLS∅P	Land/sea option	013 00	26
∅RMAAV	Misalignment angles valid	007 00	53
∅RMAPT	Inflight pitch misalignment	007 00	53
∅RMC∅N	Emcon status to radar	013 00	54
		016 00	14
∅RMI∅F	Missile illumination off command	008 00	2,3
		017 00	3
∅RMNAQ	Manual acquisition/track while scan action command	008 00	2,6
∅RMRST	Mode reset	015 00	61
∅R∅RLB	Outer roll	007 00	55
∅RPBSB	Parking brake set	007 00	53
∅RPCHB	Pitch	007 00	55
∅RPDIL	Burst ranging inhibit command	008 00	2
∅RPRFC	Pulse repetition frequency wave form command	008 00	4,5
		015 00	29,38,52
∅RPRTB	Pitch rate	007 00	54
∅RRAID	Raid mode command	008 00	3,4,6
		015 00	18
∅RRFMN	RF manual command	015 00	33
∅RRGSL	Range scale command	008 00	4,5
		009 00	28,51
		015 00	33,34,38,43
		017 00	3,6
∅RRRTB	Roll rate	007 00	54
∅RSATB	Backup attitude indicator	007 00	55,53
∅RSBRB	Backup body rate indicator	007 00	54,53
∅RSHDB	Backup data indicator	007 00	56,53
∅RSLAZ	Antenna azimuth slave command	008 00	5
		009 00	2
∅RSLCU	Slave to cue command	009 00	2,3,51
∅RSLEL	Antenna elevation slave command	008 00	5
		009 00	2
∅RSLMN	Slaved acquisition minimum range	008 00	5
∅RSLMX	Slaved acquisition maximum range	008 00	5
∅RSLNT	Silent mode command	008 00	4,5
		009 00	29
		015 00	34
∅RSTBD	Stabilized cue line of sight direction down	009 00	51
∅RSTBE	Stabilized cue line of sight direction east	009 00	51

Output Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
∅RSTBN	Stabilized cue line of sight direction north	009 00	51
∅RSTDS	Display stabilized cue command	009 00	2,3,51
∅RSTRG	Stabilized cue range position	009 00	51
∅RTDCX	Cursor X rate command	009 00	4,7
∅RTDCY	Cursor Y rate command	009 00	4,7
∅RTGRJ	Return to search command	008 00	2,4,6
		009 00	2,3,20,28,30, 36
		017 00	3
∅RTHDB	Platform heading	007 00	56
∅RTMCB	INS compute time tag	007 00	53
∅RTMTB	INS transmit time tag	007 00	53
∅RTWAQ	TWS file/direct target option	015 00	34
∅TRWCN	TWS scan centering command	008 00	4
		015 00	33
∅RVHVB	Horizontal velocity valid	007 00	56
∅RVLCD	Velocity correction down	007 00	23
∅RVLCE	Velocity correction east	007 00	23
∅RVLCN	Velocity correction north	007 00	23
∅RVLCV	Velocity correction valid	007 00	24
∅RVLXB	INS platform X velocity	007 00	56
∅RVLYB	INS platform Y velocity	007 00	56
∅RVLZB	INS platform Z velocity	007 00	56
∅RVVVB	Z velocity valid	007 00	56
∅RWANB	Wander angle	007 00	56
∅RWNDD	Vertical wind	007 00	36
∅RWNDE	East wind	007 00	36
∅RWNDN	North wind	007 00	36
∅RWNDV	Winds valid	007 00	36
∅RYRTB	Yaw rate	007 00	54
∅R7FSL	AIM-7F select	008 00	2,46
∅SADD1	Memory inspect address display	014 00	9
∅SBBT2	FRZ pushbutton legend	014 00	3,9
∅SBLT3	Left and right pushbutton labels	014 00	6
∅SBURX	Boresight symbol X position	014 00	28
∅SBURY	Boresight symbol Y position	014 00	28
∅SCPL1	Left CDP	014 00	27
∅SCPR1	Right CDP	014 00	27
∅SCTLX	RDDI EHSI/HSD circle X position	014 00	28,29,30
∅SCTLY	RDDI EHSI/HSD circle Y position	014 00	28,30
∅SCULX	LDDI EHSI/HSD circle X position	014 00	28,29,30
∅SCULY	LDDI EHSI/HSD circle Y position	014 00	28,30
∅SCVLX	RDDI circle X position	014 00	29,30

Output Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
∅ SCVLY	RDDI circle Y position	014 00	30
∅ SCWLX	LDDI circle X position	014 00	29,30
∅ SCWLY	LDDI circle Y position	014 00	30
∅ SC (01-14)X	X start position for 14 caution/advisory lines	014 00	24,25
∅ SC (01-14)Y	Y start position for 14 caution/advisory lines	014 00	24,25
∅ SDAT1	Memory inspect data display	014 00	9
∅ SDC03	ADV legend (A)	014 00	21
∅ SDC04	ADV legend (D)	014 00	21
∅ SDC05	ADV legend (V)	014 00	21
∅ SEGL1	Left EGT	014 00	27
∅ SEGR1	Right EGT	014 00	27
∅ SEPL1	Left EPR	014 00	27
∅ SEPR1	Right EPR	014 00	27
∅ SETL1	Left inlet temperature	014 00	27
∅ SETR1	Right inlet temperature	014 00	27
∅ SFCM1	FCES maintenance cue (2 characters)	014 00	11
∅ SFCM2	FCES maintenance cue (2 characters)	014 00	11
∅ SFCSX	FCES maintenance message display X position	014 00	5,7
∅ SFFL1	Left fuel flow	014 00	27
∅ SFFR1	Right fuel flow	014 00	27
∅ SFTL1	Left fuel inlet temperature	014 00	27
∅ SFTR1	Right fuel inlet temperature	014 00	27
∅ SFZBX	FRZ pushbutton box	014 00	3,9
∅ SHSD	EHSI/HSD status legend	014 00	3
∅ SIDBX	ID pushbutton box	014 00	1
∅ SIDXP	ID pushbutton label	014 00	1
∅ SJBIT	BIT status area and status	014 00	2,5,6, 7,14
∅ SLEGN	Common pushbutton labels	014 00	6,7
∅ SLNGB	LONG pushbutton box	014 00	4
∅ SLSB1	Left stabilator position display	014 00	1
∅ SMIBX	MI pushbutton box	014 00	3,4,6,9
∅ SMIMX	Memory inspect legend display	014 00	3,9
∅ SMIWC	Memory inspect data word display count	014 00	10
∅ SMNT1	Left BIT menu line display	014 00	5,7
∅ SMNT2	Right BIT menu line display	014 00	5,7
∅ SMNT3	Bottom BIT menu line display	014 00	4,5,6,7
∅ SMT∅D	LDDI mode word	014 00	28,29,30
∅ SMTPX	HSD film strip number via LDDI	014 00	28,31
∅ SMU∅D	RDDI mode word	014 00	28,29
∅ SMUPX	HSD film strip number via RDDI	014 00	28,31

Output Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
∅SNZL1	Left NOZ POS	014 00	27
∅SNZR1	Right NOZ POS	014 00	27
∅S∅LL1	Left OIL PRESS	014 00	27
∅S∅LR1	Right OIL PRESS	014 00	27
∅SPBX1	Memory inspect RT display	014 00	3
∅SPB03	Memory inspect RT number display	014 00	9
∅SRBX1	Record pushbutton box	014 00	26
∅SRSB1	Right stabilator position display	014 00	1
∅SRYBR	Relay message display	014 00	2,5,7
∅SRYFT	Relay display enable	014 00	2
∅SSG∅1	SJET GO display	014 00	12
∅SSG∅2	PCKL GO display	014 00	12
∅SSG∅3	TRIG GO display	014 00	12
∅SSG∅4	SSP GO display	014 00	12
∅SSMSX	SMS maintenance message display X position	014 00	5,12
∅SSTX1	BIT status message X starting position	014 00	14
∅SSTY1	BIT status message Y starting position	014 00	14
∅SSVPX	RDDI STOP pushbutton label	014 00	29,30
∅SSWPX	LDDI STOP pushbutton label	014 00	29,30
∅STHL1	Left engine thrust display	014 00	27
∅STHR1	Right engine thrust display	014 00	27
∅ST∅P1	Top pushbutton labels	014 00	6,7,9
∅STPL1	Left engine turbine discharge pressure display	014 00	27
∅STPR1	Right engine turbine discharge pressure display	014 00	27
∅STYB∅	Caution/advisory display top border Y position	014 00	16,24
∅SVBL1	Left engine vibration display	014 00	27
∅SVBR1	Right engine vibration display	014 00	27
∅S01CA	Two characters phrase 1 caution lines 1, 3, 5, 7, 9, 11, and 13	014 00	25
∅S02CA	Two characters phrase 1 caution lines 1, 3, 5, 7, 9, 11, and 13	014 00	25
∅S03CA	Two characters phrase 1 caution lines 1, 3, 5, 7, 9, 11, and 13	014 00	25
∅S04CA	Two characters phrase 1 caution lines 1, 3, 5, 7, 9, 11, and 13	014 00	25
∅S05CA	Two characters phrase 1 caution lines 1, 3, 5, 7, 9, 11, and 13	014 00	25
∅S01CB	Two characters phrase 2 caution lines 1, 3, 5, 7, 9, 11, and 13	014 00	25

Output Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
∅S02CB	Two characters phrase 2 caution lines 1, 3, 5, 7, 9, 11, and 13	014 00	25
∅S03CB	Two characters phrase 2 caution lines 1, 3, 5, 7, 9, 11, and 13	014 00	25
∅S04CB	Two characters phrase 2 caution lines 1, 3, 5, 7, 9, 11, and 13	014 00	25
∅S05CB	Two characters phrase 2 caution lines 1, 3, 5, 7, 9, 11, and 13	014 00	25
∅S01CC	Two characters phrase 3 caution lines 1, 3, 5, 7, 9, 11, and 13	014 00	25
∅S02CC	Two characters phrase 3 caution lines 1, 3, 5, 7, 9, 11, and 13	014 00	25
∅S03CC	Two characters phrase 3 caution lines 1, 3, 5, 7, 9, 11, and 13	014 00	25
∅S04CC	Two characters phrase 3 caution lines 1, 3, 5, 7, 9, 11, and 13	014 00	25
∅S05CC	Two characters phrase 3 caution lines 1, 3, 5, 7, 9, 11, and 13	014 00	25
∅S01CD	Two characters phrase 1 caution lines 2, 4, 6, 8, 10, 12, and 14	014 00	25
∅S02CD	Two characters phrase 1 caution lines 2, 4, 6, 8, 10, 12, and 14	014 00	25
∅S03CD	Two characters phrase 1 caution lines 2, 4, 6, 8, 10, 12, and 14	014 00	25
∅S04CD	Two characters phrase 1 caution lines 2, 4, 6, 8, 10, 12, and 14	014 00	25
∅S05CD	Two characters phrase 1 caution lines 2, 4, 6, 8, 10, 12, and 14	014 00	25
∅S01CE	Two characters phrase 2 caution lines 2, 4, 6, 8, 10, 12, and 14	014 00	25
∅S02CE	Two characters phrase 2 caution lines 2, 4, 6, 8, 10, 12, and 14	014 00	25
∅S03CE	Two characters phrase 2 caution lines 2, 4, 6, 8, 10, 12, and 14	014 00	25
∅S04CE	Two characters phrase 2 caution lines 2, 4, 6, 8, 10, 12, and 14	014 00	25
∅S05CE	Two characters phrase 2 caution lines 2, 4, 6, 8, 10, 12, and 14	014 00	25
∅S01CF	Two characters phrase 3 caution lines 2, 4, 6, 8, 10, 12, and 14	014 00	25
∅S02CF	Two characters phrase 3 caution lines 2, 4, 6, 8, 10, 12, and 14	014 00	25
∅S03CF	Two characters phrase 3 caution lines 2, 4, 6, 8, 10, 12, and 14	014 00	25

Output Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
∅S04CF	Two characters phrase 3 caution lines 2, 4, 6, 8, 10, 12, and 14	014 00	25
∅S05CF	Two characters phrase 3 caution lines 2, 4, 6, 8, 10, 12, and 14	014 00	25
∅S12A1	Advisory message 1	014 00	21
∅S12A2	Advisory message 2	014 00	21
∅S12A3	Advisory message 3	014 00	21
∅S12A4	Advisory message 4	014 00	21
∅S12A5	Advisory message 5	014 00	21
∅S12A6	Advisory message 6	014 00	21
∅S12A7	Advisory message 7	014 00	21
∅S1P01	Two characters BIT status message 1	014 00	14,15
∅S1P02	Two characters BIT status message 1	014 00	14,15
∅S1P03	Two characters BIT status message 1	014 00	14,15
∅S1P04	Two characters BIT status message 1	014 00	14,15
∅S1SL1	Left engine N1 RPM display	014 00	27
∅S1SR1	Right engine N1 RPM display	014 00	27
∅S2P01	Two characters BIT status message 2	014 00	14,15
∅S2P02	Two characters BIT status message 2	014 00	14,15
∅S2P03	Two characters BIT status message 2	014 00	14,15
∅S2P04	Two characters BIT status message 2	014 00	14,15
∅S2SL1	Left engine N2 RPM display	014 00	27
∅S2SR1	Right engine N2 RPM display	014 00	27
∅S3P01	Two characters BIT status message 3	014 00	14,15
∅S3P02	Two characters BIT status message 3	014 00	14,15
∅S3P03	Two characters BIT status message 3	014 00	14,15
∅S3P04	Two characters BIT status message 3	014 00	14,15
∅S4P01	Two characters BIT status message 4	014 00	14,15
∅S4P02	Two characters BIT status message 4	014 00	14,15
∅S4P03	Two characters BIT status message 4	014 00	14,15
∅S4P04	Two characters BIT status message 4	014 00	14,15
∅S5P01	Two characters BIT status message 5	014 00	14,15
∅S5P02	Two characters BIT status message 5	014 00	14,15
∅S5P03	Two characters BIT status message 5	014 00	14,15
∅S5P04	Two characters BIT status message 5	014 00	14,15
∅S6P01	Two characters BIT status message 6	014 00	14,15
∅S6P02	Two characters BIT status message 6	014 00	14,15
∅S6P03	Two characters BIT status message 6	014 00	14,15
∅S6P04	Two characters BIT status message 6	014 00	14,15
∅TACML	Variable ACM altitude digit size	015 00	70
∅TACM1	2 ACM speed digits	015 00	70
∅TACM2	2 ACM speed digits	015 00	70
∅TACM3	2 ACM altitude digits	015 00	70
∅TACM4	2 Variable ACM altitude digits	015 00	70

Output Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
∅TACM5	1 Variable ACM altitude digit	015 00	70
∅TADJD	FLIR adjust value digit	015 00	142
∅TAELB	HOTAS ELBAR options	015 00	11,48,50,51, 57,59,60
∅TAFAL	TA fail X-position	015 00	19
∅TAGT1	2 TRACK/MEM display characters	015 00	19
∅TAGT2	2 TRACK/MEM display characters	015 00	19
∅TAGT3	1 TRACK/MEM display characters	015 00	19
∅TAIR1	Surface/air characters	015 00	13,21
∅TAIR2	Surface/air characters	015 00	13,21
∅TALTH	FLIR altitude 120/150	015 00	144
∅TALT1	2 A/C altitude digits	015 00	63
∅TALT2	2 Variable size altitude characters	015 00	63
∅TALT3	1 Variable size altitude characters	015 00	63
∅TALT4	Altitude suffix character	015 00	63
∅TALVR	Variable size altitude characters	015 00	63
∅TARMW	Master arm status	015 00	113
∅TANTB	Walleye pod antenna pushbutton box position	015 00	119
∅TARR∅	Antenna scale	015 00	13,21
∅TASER	ASE circle radius	015 00	9
∅TASEX	ASE circle X-position	015 00	9
∅TASEY	ASE circle Y-position	015 00	9
∅TAZLN	Azimuth line enable	015 00	19,20
∅TBARS	Elevation bar digit and suffix	015 00	13,15,50
∅TBREX	FLIR break X notice	015 00	136
∅TBRKX	A/A break X	015 00	65
∅TCAGL	FLIR CAGE pushbutton legend	015 00	140
∅TCCMB	Maverick CCM pushbutton box	015 00	125
∅TCDMD	Radar display type	015 00	11
∅TCHNL	Channel select legend	015 00	12
∅TCHNN	Channel legend pushbutton box	015 00	12
∅TCLSX	Range rate caret X-position	015 00	6,9
∅TCLSY	Range rate caret Y-position	015 00	6,8
∅TCLS (1-3)	Closing rate	015 00	6
∅TCMDX	FLIR command heading cue X-position	015 00	135
∅TCN∅1	Commanded channel number	015 00	12
∅TC∅V1	Maximum altitude sign	015 00	46,62,69
∅TC∅V2	Maximum altitude coverage	015 00	46,62,69
∅TC∅V3	Maximum altitude digit	015 00	46,62,69
∅TC∅V4	Maximum altitude digit	015 00	46,62,69
∅TCRBL	Walleye crab pushbutton legend	015 00	130
∅TCSET	Jump past all SCAM	015 00	145

Output Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
∅TDAL1	1 DL altitude digit	015 00	67,68
∅TDAL2	2 DL altitude digits	015 00	67,68
∅TDAL3	2 DL altitude digits	015 00	67,68
∅TDCLB	FLIR declutter pushbutton box	015 00	138
∅TDCLR	Declutter legend pushbutton box	015 00	12
∅TDG∅R	Drag override	015 00	95
∅TDHD1	2 command heading digits	015 00	67,68
∅TDHD2	Command heading digit and degree symbol	015 00	67,68
∅TDLPB	Walleye pod pushbutton legend	015 00	115,117,119
∅TDLTG	Steering display	015 00	2,3
∅TDL1A	No. 1 DL target altitude	015 00	3,4
∅TDL1X	No. 1 DL target display X-position	015 00	3,4
∅TDL1Y	No. 1 DL target display Y-position	015 00	4
∅TDL2A	No. 2 DL target altitude	015 00	3,4
∅TDL2X	No. 2 DL target display X-position	015 00	3,4
∅TDL2Y	No. 2 DL target display Y-position	015 00	4
∅TDL3A	No. 3 DL target altitude	015 00	3,4
∅TDL3X	No. 3 DL target display X-position	015 00	3,4
∅TDL3Y	No. 3 DL target display Y-position	015 00	4
∅TDL4A	Top DL target altitude	015 00	4
∅TDL4X	Top DL target display X-position	015 00	3,4
∅TDL4Y	Top DL target display Y-position	015 00	4
∅TDMH1	DL mach digit	015 00	67,68
∅TDMH2	DL mach digit	015 00	67,68
∅TDMH3	DL mach digit	015 00	67,68
∅TD∅AG	A/G displays	015 00	19
∅TD∅TX	Steering dot X-position	015 00	9
∅TD∅TY	Steering dot Y-position	015 00	9
∅TDRGD	Drag line data	015 00	95
∅TDRGL	Drag line flag	015 00	89
∅TDST1	DL discrete character 1	015 00	67
∅TDST2	DL discrete character 2	015 00	67
∅TDST3	DL discrete character 3	015 00	67
∅TDST4	DL discrete character 4	015 00	67
∅TDTAX	L and S target mach number X-position	015 00	7,8
∅TDTAY	L and S target mach number Y-position	015 00	8
∅TDTM1	2 DL time to go digits (minutes)	015 00	67
∅TDTM2	DL time to go digit (seconds)	015 00	67
∅TDTM3	DL time to go digit (seconds)	015 00	67
∅TD1AX	No. 1 DL target altitude X-position	015 00	4
∅TD1AY	No. 1 DL target altitude Y-position	015 00	4
∅TD2AX	No. 2 DL target altitude X-position	015 00	4
∅TD2AY	No. 2 DL target altitude Y-position	015 00	4
∅TD3AX	No. 3 DL target altitude X-position	015 00	4

Output Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
∅TD3AY	No. 3 DL target altitude Y-position	015 00	4
∅TEF∅R	Electrical fuze override	015 00	95
∅TEFZD	Electrical fuze line data	015 00	95
∅TEFZL	Electrical fuze line flag	015 00	89
∅TENAE	Antenna elevation scale	015 00	17,26
∅TEPDR	FAST legend pushbutton box	015 00	21
∅TEPDX	FAST legend X, Y position	015 00	21
∅TERS1	Erase/freeze character	015 00	13,16,21
∅TERS2	Erase/freeze character	015 00	13,16,21
∅TERS3	Erase/freeze character	015 00	13,16,21
∅TEXP (1-5)	EXP/INTL legend characters	015 00	21
∅TEXR (1-2)	EXP/INTL legend pushbutton box	015 00	24
∅TFALH	FLIR altitude hundreds	015 00	144
∅TFAL∅	FLIR altitude hundreds	015 00	144
∅TFALT	FLIR altitude thousands	015 00	144
∅TFALU	FLIR altitude source	015 00	144
∅TFANX	Fan rectangle X-position	015 00	21
∅TFAN1	Fan legend character 1	015 00	21
∅TFAN2	Fan legend character 2	015 00	21
∅TFASD	FLIR airspeed digits	015 00	144
∅TFELW	FLIR elevation characters 1-4	015 00	143
∅TFHLP	FLIR horizontal pitch (flight path angle)	015 00	134
∅TFHLR	FLIR horizontal roll	015 00	134
∅TFHLT	FLIR horizontal roll rate	015 00	134
∅TFHLX	FLIR horizontal X	015 00	134
∅TFILE	File/STT legend pushbutton box	015 00	16
∅TFLAD	FLIR azimuth direction	015 00	143
∅TFLAW	FLIR azimuth digits 1-3	015 00	143
∅TFL∅D	Flood display	015 00	63
∅TFLST	FLIR LST track notice	015 00	136
∅TFLSU	FLIR LST track notice	015 00	136
∅TFMND	FLIR mach number digits	015 00	144
∅TFMNL	FLIR mach number prefix	015 00	144
∅TFM∅D	FLIR MDI mode command	015 00	139
∅TF∅VL	FLIR FOV pushbutton legend	015 00	139
∅TFRMW	SCAM frame digits	015 00	151
∅TFSEB	FLIR adjust pushbutton box	015 00	133,142
∅TFSTW	FLIR status window	015 00	139
∅TFTDC	FLIR TDC symbol	015 00	136
∅TF10B	FLIR TRACK/MVTGT pushbutton box	015 00	141
∅TF10L	FLIR TRACK/MVTGT pushbutton legend	015 00	141

Output Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
∅TGAIN	Video gain	015 00	72
∅TGALT	Target altitude	015 00	8
∅TGDSB	DSTB legend pushbutton box	015 00	79
∅TGDSL	DSTB legend	015 00	79,104
∅TGMH1	Target mach number character 1	015 00	8
∅TGMH2	Target mach number character 2	015 00	8
∅TGM∅D	Gun mode legend pushbutton box	015 00	98
∅TG∅RD	Radar mode independent	015 00	1,13,19
∅TGRE	Minimum range characters	015 00	17,26
∅TGR∅U	A/G symbology	015 00	1
∅TGRSB	Gun rate legend pushbutton box	015 00	80
∅TGR1	2 radar maximum range characters	015 00	17,26
∅TGR2	1 radar maximum range character	015 00	17,26
∅TGR3	2 minimum radar range characters	015 00	17,26
∅TGUBB	Gun pushbutton box	015 00	105
∅TGUBR	Gun pushbutton RDY	015 00	105
∅TGUBX	Gun pushbutton not RDY X	015 00	105
∅TGUND	Gun rounds data	015 00	113
∅TGUNS	Bypass A/G gun pushbutton set	015 00	81,84
∅THCLW	HARM target class character	015 00	124
∅THCRL	Class cross reference list	015 00	124,131
∅THDG1	2 A/C heading digits	015 00	62,63
∅THDG2	2 A/C heading digits	015 00	62,63
∅THDG3	Heading digit and degree symbol	015 00	62,63
∅THDTB	CMD DSTR legend pushbutton box	015 00	122
∅THDTL	CMD DSTR pushbutton legend	015 00	122
∅THGTB	HARM GYRO TEST pushbutton box	015 00	122
∅THGTL	HARM GYRO TEST pushbutton legend	015 00	122
∅THIST	Seconds of storage	015 00	17,50
∅THLMB	HARM LIMIT pushbutton box	015 00	124
∅THL∅F	HARM target-of-opportunity left of field	015 00	124
∅THMBY	HARM mode pushbutton box	015 00	122
∅THM∅D	HARM mode dependent displays	015 00	121,122
∅THPRX	Priority target symbol X-position	015 00	99
∅THPRY	Priority target symbol Y-position	015 00	99
∅THR∅F	HARM target-of-opportunity right of field	015 00	124
∅THSCB	HARM SCAN legend pushbutton box	015 00	124
∅THTGD	HARM target number line data	015 00	124
∅THTSC	HARM target-of-opportunity scan asterisks	015 00	124
∅THTS (1-8)	HARM target class (1-8) active	015 00	99

Output Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
∅THTYW	HARM target type number	015 00	124
∅TH(01-15)X	Target 1-15 first character	015 00	99
∅TIMEF	Missile time of flight	015 00	62
∅TIN∅R	Interval override	015 00	96
∅TINRG	Walleye in range notice	015 00	130
∅TINTD	Interval line data	015 00	96
∅TINTL	Interval line	015 00	88
∅TINUN	Interval data units	015 00	88
∅TJDCL	Flight status symbology	015 00	136
∅TJFLR	FLIR controls	015 00	136
∅TJLSP	LST pod graphics	015 00	145
∅TJMPG	Grid line opcode	015 00	17
∅TJP∅D	Walleye pod display	015 00	114,119
∅TJTVW	All TV weapon displays	015 00	114
∅TKMEM	Track memory timer X-position	015 00	65
∅TKTIM	2 track memory time digits	015 00	65
∅TLCAG	LST CAGE pushbutton legend	015 00	148
∅TLC∅W	LST code digits 1-4	015 00	150
∅TLC∅X	LST code digits 1-4	015 00	150
∅TLCWX	LST code invalid X	015 00	145,147
∅TLDLL	LST depression limit line	015 00	149
∅TLDLW	LST depression limit digits	015 00	149
∅TLELW	LST elevation digits	015 00	149
∅TLRGL	LST scan center range line	015 00	149
∅TLRGW	LST range digits 1 and 2	015 00	149
∅TLRGX	LST range units	015 00	149
∅TLSBB	LST SCAN pushbutton box	015 00	147
∅TLSBY	LST SCAN pushbutton box Y position	015 00	147
∅TLSET	Jump past all LST	015 00	145,146
∅TLSPB	LST pushbutton box	015 00	146
∅TLSTA	LS	015 00	71
∅TLSTB	T	015 00	71
∅TLSTS	LST status window	015 00	147
∅TLTAD	LST azimuth direction	015 00	149
∅TLTAW	LST azimuth digits 1-2	015 00	149
∅TLTDC	LST TDC symbol	015 00	145
∅TLTRK	LST track 150 X, Y position	015 00	147
∅TMAST	Master arm	015 00	66
∅TMAVT	Maverick timing notice	015 00	125
∅TMCH1	Mach symbol M	015 00	63
∅TMCH2	A/C mach digit and decimal point	015 00	63
∅TMCH3	2 A/C mach digit	015 00	63
∅TMFZD	Mechanical fuze line data	015 00	95

Output Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
⌀TMFZL	Mechanical fuze line	015 00	89
⌀TMEMT	FLIR MEM track notice	015 00	141
⌀TMFBY	Maverick fuze pushbutton box Y position	015 00	125
⌀TML⌀R	Multiple override	015 00	96
⌀TMLTD	Multiple line data	015 00	96
⌀TMLTL	Multiple line	015 00	88
⌀TM⌀DD	Mode line data characters 1 through 4	015 00	95
⌀TM⌀DX	Mode fail X	015 00	12
⌀TM⌀D1	2 Mode characters	015 00	14,25,48,57
⌀TM⌀D2	1 Mode character	015 00	14,25,48,57
⌀TMSET	Program pushbutton set	015 00	76,79,84,87, 104
⌀TMUNC	Maverick CAGED/UNCAGED notice	015 00	125
⌀TNARC	Range arcs	015 00	19
⌀TNDLD	DL discretes and time	015 00	62
⌀TN⌀TP	TWS targets	015 00	2,6
⌀TN⌀TW	DL targets display	015 00	2,6
⌀T⌀MAN	AUTO/MAN rectangle Y-position	015 00	16
⌀T⌀PR1	2 operating switch characters	015 00	64
⌀T⌀PR2	2 operating switch characters	015 00	64
⌀T⌀PR3	Not ready symbol	015 00	64
⌀T⌀SET	A/G program	015 00	76,79,84, 87,104
⌀TPC⌀M	Program COMPLETE in heading	015 00	87
⌀TPEN1	2 PEN legend characters	015 00	21
⌀TPEN2	1 PEN legend character	015 00	21
⌀TPNPB	PROG pushbutton legend	015 00	87
⌀TP⌀DS	DL pod menu pushbutton box	015 00	106
⌀TP⌀LL	FLIR POLARITY pushbutton legend	015 00	139
⌀TPRF1	2 PRF characters	015 00	13,48
⌀TPRF2	2 PRF characters	015 00	13,48
⌀TPRGN	A/G program number digit	015 00	87
⌀TPSBX	Priority station box X-position	015 00	106
⌀TPSBY	Priority station box Y-position	015 00	106
⌀TPTCH	Flight path angle	015 00	10
⌀TPTHX	Pitch scale X-position	015 00	10
⌀TP⌀VA	2 AGR/PVU delta velocity characters	015 00	73
⌀TPV⌀0	2 AGR/PVU range/delta characters	015 00	73
⌀TPV⌀1	2 AGR/PVU range/delta characters	015 00	73
⌀TPV⌀2	1 AGR/PVU range/delta character	015 00	73
⌀TPV⌀8	1 AGR/PVU delta velocity characters	015 00	73
⌀TPV⌀9	2 AGR/PVU delta velocity characters	015 00	73
⌀TQT⌀R	Quantity override	015 00	96
⌀TQTYD	Quantity line digits	015 00	96

Output Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
⌀TQTYL	Quantity line	015 00	88
⌀TRADX	Raid cue X-position	015 00	18
⌀TRAID	Raid display	015 00	18
⌀TRAKR	TRACK legend rectangle	015 00	21
⌀TRAK1	2 TRACK legend characters	015 00	21
⌀TRAK2	2 TRACK legend characters	015 00	21
⌀TRAK3	1 TRACK legend characters	015 00	21
⌀TRANX	Channel fail X	015 00	12
⌀TRAN1	2 transmission channel digits	015 00	12,50
⌀TRAN2	Transmitter channel suffix	015 00	12,50
⌀TRETD	Reticle line data	015 00	97
⌀TRETL	Reticle line	015 00	88,97,98,105
⌀TRF⌀B	RF legend pushbutton box	015 00	119
⌀TRGFD	FLIR OAP/target range digits	015 00	140
⌀TRGFL	FLIR OAP/target range line	015 00	140
⌀TRLA1	Elevation caret	015 00	2,63
⌀TRLA2	2 relative altitude digits	015 00	2,63
⌀TRLA3	2 relative altitude digits	015 00	2,63
⌀TRLA4	1 relative altitude digit	015 00	2,63
⌀TRLX1	RMAX 1 X - position	015 00	9
⌀TRLX2	RMAX 2 X - position	015 00	9
⌀TRMNX	RMIN X-position	015 00	9
⌀TRMNY	RMIN Y-position	015 00	9
⌀TRNGX	IN RNG cue X-position	015 00	18
⌀TR⌀LL	Roll angle	015 00	10
⌀TRRTE	Roll rate	015 00	10
⌀TRSTL	RSET pushbutton legend	015 00	121,122
⌀TRST1	R Y-position	015 00	13,16,21
⌀TRST2	S Y-position	015 00	13,16,21
⌀TRST3	E Y-position	015 00	13,16,21
⌀TRST4	T Y-position	015 00	13,16,21
⌀TRX1X	RMAX 1 X-position	015 00	9
⌀TRX1Y	RMAX 1 Y-position	015 00	9
⌀TRX2X	RMAX2 X-position	015 00	9
⌀TRX2Y	RMAX2 Y-position	015 00	9
⌀TSA1X	Acceleration first end X	015 00	8
⌀TSA1Y	Acceleration first end Y	015 00	7,8
⌀TSA2X	Acceleration second end X	015 00	8
⌀TSA2Y	Acceleration second end Y	015 00	7,8
⌀TSBYP	Stores display bypass	015 00	108
⌀TSCBB	SCAM pushbutton box	015 00	145
⌀TSELR	A/G menu RDY pushbutton legend	015 00	106
⌀TSELS	A/G menu status set	015 00	106
⌀TSELX	A/G menu pushbutton not ready X	015 00	106

Output Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
∅TSH∅B	HARM pullback override legend pushbutton box	015 00	78
∅TSH∅L	HARM pullback override pushbutton legend	015 00	78
∅TSHRM	HARM/PLBK characters	015 00	78
∅TSHT1	SH	015 00	65
∅TSHT2	00	015 00	65
∅TSHT3	T	015 00	65
∅TSILR	SIL rectangle	015 00	13,16,21
∅TSIL1	S	015 00	13,16,21
∅TSIL2	I	015 00	13,16,21
∅TSIL3	L	015 00	13,16,21
∅TSPD1	Speed prefix and digit	015 00	63
∅TSPD2	2 A/C speed digits	015 00	63
∅TSPS (2,4,6,8)	Station 2, 4, 6, 8 SP missile symbol	015 00	109,110
∅TSPX (1-9)	Station 1-9 SP untuned X	015 00	109,110,111
∅TSQ∅R	Sequence override	015 00	95
∅TSTAW	Station number window	015 00	116
∅TSTER	Steering display	015 00	2,6
∅TSTPL	STEP pushbutton legend	015 00	116
∅TSV1X	Velocity first end X	015 00	8
∅TSV1Y	Velocity first end Y	015 00	7,8
∅TSV2X	Velocity second end X	015 00	8
∅TSV2Y	Velocity second end Y	015 00	7,8
∅TSWS (1,2,8,9)	Station 1, 2, 8, 9 SW missile symbol	015 00	109,110
∅TS(1-9) CW	Station count station 1-9	015 00	110
∅TS(1-9) LW	Station 1-9 store characters	015 00	109,110,113
∅TS(1-9) SW	Station 1-9 status characters	015 00	111,112
∅TTCAD	TCA line data	015 00	97
∅TTCAL	TCA line	015 00	88,97
∅TTC∅R	TCA override	015 00	97
∅TTC∅W	Laser code digits 1-4	015 00	126
∅TTC∅X	Laser code digits 1-4	015 00	126
∅TTDCX	TDC symbol X-position	015 00	12,13
∅TTGFD	FLIR time-to-go digits, units	015 00	140
∅TTGFL	FLIR time-to-go line	015 00	140
∅TTGR1	Time-to-go characters 1 and 2	015 00	71
∅TTGR2	Time-to-go characters 3 and 4	015 00	71
∅TTGR3	Time-to-go characters 5 and 6	015 00	71

Output Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
∅TTH∅B	TV weapon HARM pull back override box	015 00	78,116
∅TTH∅L	TV weapon HARM pullback override pushbutton	015 00	78,116
∅TTHRM	TV weapon HARM pullback character 1-4	015 00	78,116
∅TTLST	Maverick LST track status	015 00	125
∅TTLSU	Maverick LST track status	015 00	125
∅TT∅NB	Tone pushbutton box	015 00	107
∅TT∅ND	Tone channel number digit	009 00	110
		015 00	76,77,107
∅TT∅NL	Tone pushbutton legend	015 00	107
∅TTSTB	Walleye pod TEST pushbutton box	015 00	119
∅TTTDC	TV weapon TDC symbol	015 00	116
∅TTWSS	TWS legend X-position	015 00	13
∅TUFCS	A/G menu	015 00	84,88,98
∅TUNLB	UNLK legend pushbutton box	015 00	77
∅TUNLK	UNLK pushbutton legend	015 00	77
∅TVIDB	Walleye D/L PODVID legend pushbutton box	015 00	128
∅TVIDL	Walleye D/L PODVID pushbutton legend	015 00	128
∅TVLSL	Radar max range	015 00	17
∅TVLVX	A/C velocity vector X-position	015 00	10
∅TVM∅D	TV weapon video mode command	015 00	118
∅TVNRX	TV weapon A/G not ready X	015 00	116
∅TV∅C1	V	015 00	67
∅TV∅C2	OI	015 00	67
∅TV∅C3	CE	015 00	67
∅TVRDY	TV weapon A/G RDY notice	015 00	116
∅TVSEL	Maverick display	015 00	121,122,125, 128,129
∅TVTRB	Walleye VTR legend pushbutton box	015 00	129
∅TVTRL	Walleye VTR pushbutton legend	015 00	129
∅TVWPB	TV weapon pushbutton legend	015 00	115,117,122, 125,128,129
∅TWAZ1	2 operating azimuth digits	015 00	50
∅TWCHN	Walleye pod channel number digits	015 00	119
∅TWFZB	Walleye fuze pushbutton box	015 00	130
∅TWPN1	2 A/A weapon characters	015 00	62,66
∅TWPN2	Space and A/A character	015 00	62,66
∅TWSAZ	Operating azimuth X-position	015 00	50
∅TWSLB	1 bar option (variable)	015 00	50
∅TWSLG	Grids and scales	015 00	2,13,16
∅TWS (1-7,9)X	TWS target 1-8 X-position	015 00	7
∅TWS (1-7,9)Y	TWS target 1-8 Y-position	015 00	7

Output Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
∅TWS8X	L and S target X-position	015 00	8
∅TWS8Y	L and S target Y-position	015 00	7,8
∅TW (1-7,9)1X	TWS target 1-8 velocity vector X-position	015 00	7
∅TW (1-7,9)1Y	TWS target 1-8 velocity vector Y-position	015 00	7
∅TWUNC	Walleye CAGED/UNCAGED notice	015 00	130
∅T1PBW	Pushbutton 1 characters	015 00	92
∅T2PBW	Pushbutton 2 characters	015 00	90,92
∅T3PBW	Pushbutton 3 characters	015 00	90,92
∅T4PBW	Pushbutton 4 characters	015 00	90,92
∅T5PBW	Pushbutton 5 characters	015 00	90,92
∅T(06-10)BW	A/G menu pushbutton 6-10 characters	015 00	82
∅T12BW	Pushbutton 12 characters	015 00	83,113
∅T13BW	Pushbutton 13 characters	015 00	77
∅UAASX	Angle of attack scale X position	011 00	21
∅UAASY	Angle of attack scale Y position	011 00	21
∅UACSY	Aircraft waterline symbol	011 00	9,10
∅UALEX	Azimuth steering line end X position	011 00	83
∅UALEY	Azimuth steering line end Y position	011 00	83
∅UALSX	Azimuth steering line start X position	011 00	81,82,83,84
∅UALSY	Azimuth steering line start Y position	011 00	83
∅UALT2	Altitude numeric size	011 00	38,39
∅UANTR	Anticipation cue rotation	011 00	86
∅UANTX	Anticipation cue X position	011 00	81,86
∅UANTY	Anticipation cue Y position	011 00	86
∅UA∅AL	Angle of attack label and sign	011 00	41
∅UA∅A1	Angle of attack digits 1 and 2	011 00	41
∅UA∅A2	Angle of attack decimal point and digit 3	011 00	41
∅UARS1	Airspeed label	011 00 / 015 00	37 / 63,70,144
∅UARS2	Airspeed digits 1 and 2	011 00 / 015 00	37 / 63,70,144
∅UASER	ASE circle/weapon field of view circle radius	011 00	71,83
∅UASEX	ASE circle/weapon field of view circle X position	011 00	70
∅UASEY	ASE circle/weapon field of view circle Y position	011 00	70
∅UATDS	Dash target designator for track memory	011 00	75
∅UATDX	A/A target designator box X position	011 00	32,75,76,77,79
∅UATDY	A/A target designator box Y position	011 00	32,75,76,77,79

Output Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
∅ UATD1	Altitude numerics 1 and 2	011 00	38,39
		015 00	63,70,144
∅ UATD2	Altitude label	011 00	38
		015 00	63,144
∅ UATD3	Altitude numerics 3 and 4	011 00	38,39
		015 00	63,70,144
∅ UATD4	Altitude numeric 5	011 00	38,39
		015 00	63,70,144
∅ UBANK	Bank scale	011 00	22
∅ UBHDS	Ladder occlusion border	011 00	14
∅ UBNKA	Bank scale indicator angle	011 00	22
∅ UBNKI	Bank scale indicator	011 00	22
∅ UB∅RD	Ladder occlusion border	011 00	9
∅ UB∅XS	Heading box	011 00	64
∅ UBRKX	Break X, X position	011 00	45,58,100,109
		015 00	136
∅ UBRST	Boresight circle line structure	011 00	61,100
∅ UCAL1	Command altitude	011 00	111
∅ UCAL2	Command altitude	011 00	111
∅ UCAL3	Command altitude	011 00	111
∅ UCAS1	Command airspeed	011 00	110
∅ UCAS2	Command airspeed	011 00	110
∅ UCHDX	Command heading X position	011 00	15,16
∅ UCIPX	CCIP X position	011 00	90
∅ UCIPY	CCIP Y position	011 00	90
∅ UCLRX	Closing rate X position	011 00	80
∅ UCLRY	Closing rate Y position	011 00	80
∅ UCLR1	Closing rate sign and digit 1	011 00	80
∅ UCLR2	Closing rate digits 2 and 3	011 00	80
∅ UCLR3	Closing rate digits 3 and V	011 00	80
∅ UCMDH	Command heading symbol shape	011 00	15,17
∅ UDAT1	Date	011 00	60
∅ UDAT2	Date	011 00	60
∅ UDAT3	Date	011 00	60
∅ UDFZ1	Dud or no fuze	011 00	109
∅ UDFZ2	Dud or no fuze	011 00	109
∅ UDFZ3	Dud or no fuze	011 00	109
∅ UDILD	El steering line/displayed impact format line	011 00	84,88
∅ UDLBD	DL beacon double cue	011 00	112
∅ UDLCC	DL command change cue	011 00	112
∅ UDLDP	DL drop cue	011 00	112
∅ UDLSX	DL steering X position	011 00	28
∅ UDLSY	DL steering Y position	011 00	28

Output Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
∅UDLVC	DL voice cue	011 00	112
∅UD∅TX	Steering dot X position	011 00	72
∅UD∅TY	Steering dot Y position	011 00	72
∅UDRET	Dashed reticle	011 00	73,78,94
∅UFLN1	Flight number	011 00	60
∅UFLN2	Flight number	011 00	60
∅UGCRS	Gun cross	011 00	108
∅UGUNX	Gun cross X position	011 00	61
∅UHDG1	Heading blank, digital	011 00	40
		015 00	63
∅UHDG2	Heading digits 2 and 3	011 00	40
		015 00	63
∅UHDWY	HUD windows 4-8 position	011 00	48,57
∅UHDW1	HUD window 1 characters 1 and 2	011 00	47
∅UHDW2	HUD window 2 characters 1 and 2	011 00	52
∅UHDW3	HUD window 3 characters 1 and 2	011 00	52
∅UHDW4	HUD window 4 characters 1 and 2	011 00	48,104
∅UHDW5	HUD window 5 characters 1 and 2	011 00	46,100,107, 108,109
		015 00	71,140
∅UHDW6	HUD window 6 characters 1 and 2	011 00	49
∅UHDW7	HUD window 7 characters 1 and 2	011 00	50,52,57,99
∅UHDW8	HUD window 8 characters 1 and 2	011 00	51,55,59
		015 00	140
∅UHRM1	HARM display on HUD	011 00	53
		015 00	78
∅UHRM2	PLBK display on HUD	011 00	53
		015 00	78
∅UHRM3	Override X display on HUD	011 00	53
		015 00	78
∅UHSCD	Heading scale data	011 00	14
∅UHSCX	Heading scale X position	011 00	14,15,17
∅UHUNG	Hung cue	011 00	56
∅UH2W1	HUD window 1 characters 3 and 4	011 00	47
∅UH2W2	HUD window 2 characters 3 and 4	011 00	52
∅UH2W3	HUD window 3 characters 3 and 4	011 00	52
∅UH2W4	HUD window 4 characters 3 and 4	011 00	48,104
∅UH2W5	HUD window 5 characters 3 and 4	011 00	46,100,107,108, 109
		015 00	71
∅UH2W6	HUD window 6 characters 3 and 4	011 00	49
∅UH2W7	HUD window 7 characters 3 and 4	011 00	50,52,57,99
∅UH2W8	HUD window 8 characters 3 and 4	011 00	51,55,59
∅UH3W1	HUD window 1 characters 5 and 6	011 00	47

Output Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
∅ UH3W4	HUD window 4 characters 5 and 6	011 00	48,106
∅ UH3W5	HUD window 5 characters 5 and 6	011 00	46,107,108,109
		015 00	71
∅ UH3W6	HUD window 6 characters 5 and 6	011 00	49
∅ UH3W7	HUD window 7 characters 5 and 6	011 00	50,52
∅ UH3W8	HUD window 8 characters 5 and 6	011 00	51,55,59
∅ UH4W1	HUD window 1 characters 7 and 8	011 00	47
∅ UH4W4	HUD window 4 characters 7 and 8	011 00	48,106
∅ UH4W5	HUD window 5 characters 7 and 8	011 00	46,108
∅ UH4W6	HUD window 6 characters 7 and 8	011 00	49
∅ UH4W7	HUD window 7 characters 7 and 8	011 00	50
∅ UH4W8	HUD window 8 characters 7 and 8	011 00	51,54,59
∅ UH5W8	HUD window 8 characters 9 and 10	011 00	51,54,59
∅ UILGX	ILS glideslope X position	011 00	27
∅ UILGY	ILS glideslope Y position	011 00	27
∅ UILLX	ILS localizer X position	011 00	27
∅ UILLY	ILS localizer Y position	011 00	27
∅ ULADH	Ladder horizon length	011 00	9
∅ ULADP	Ladder pitch/flight path	011 00	10,11,13
∅ ULADR	Ladder roll angle	009 00	101
		011 00	10,11,13,18,83, 84,85,86,87
∅ ULADX	Ladder X position rotate point	011 00	10,11,13
∅ ULADY	Ladder Y position rotate point	011 00	10,11,13
∅ ULBCX	Closing rate C, X position	011 00	80
∅ ULBCY	Closing rate C, Y position	011 00	80
∅ ULDRR	Ladder roll rate	011 00	9
∅ ULNX1	El steering line/displayed impact line X1 point	011 00	81,84,88
∅ ULNX2	El steering line/displayed impact line X2 point	011 00	81,84,88
∅ ULNX3	Displayed impact line X3 point	011 00	88
∅ ULNY1	El steering line/displayed impact line Y1 point	011 00	84,88
∅ ULNY2	El steering line/displayed impact line Y2 point	011 00	84,88
∅ ULNY3	Displayed impact line Y3 point	011 00	88
∅ ULSTX	LST track cue, X position	011 00	91
∅ ULSTY	LST track cue, Y position	011 00	91
∅ ULST1	LST track status	011 00	98
		015 00	71,125,136
∅ ULST2	LST track status	011 00	98
		015 00	71,125,136
∅ UMAVX	Maverick line of sight, X position	011 00	93

Output Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
∅UMAVY	Maverick line of sight, Y position	011 00	93
∅UMCHL	Mach number label	011 00	42
∅UMCH1	Mach number digit 1 and decimal point	011 00	42
∅UMCH2	Mach number digits 2 and 3	011 00	42
∅UM∅DE	Mode	011 00	35,57,61,99, 100,103
∅UMT∅F	Missile time of flight	011 00	101
		015 00	62
∅UMXG1	Maximum G digits 1 and 2	011 00	43
∅UMXG2	Maximum G decimal point and digit 3	011 00	43
∅UNIRD	NIRD RMIN and RMAX1	011 00	73
∅UNMAL	Aircraft G label and sign	011 00	44
∅UNMA1	Aircraft G digits 1 and 2	011 00	44
∅UNMA2	Aircraft G decimal point and digit 3	011 00	44
∅UNRMA	Dashed circle start angle	011 00	73
∅UNRMX	Dashed circle X position	011 00	73
∅UNTDR	NAV, A/G target designator rotate	011 00	18
∅UNTDX	NAV, A/G target designator X position	011 00	18,19
∅UNTDY	NAV, A/G target designator Y position	011 00	18,19
∅UNVTD	NAV, A/G target designator symbol shape	011 00	18
∅UPID1	Pilot identification number	011 00	60
∅UPID2	Pilot identification number	011 00	60
∅UPID3	Pilot identification number	011 00	60
∅UPLUR	Pull up cue rotation	011 00	87
∅UPLUX	Pull up cue X position	011 00	81,87
∅UPLUY	Pull up cue Y position	011 00	87
∅UPRS1	Barometric pressure setting digits 1 and 2	011 00	45
∅UPRS2	Barometric pressure setting decimal point and digit 3	011 00	45
∅UPRS3	Barometric pressure setting digit 4	011 00	45
∅URDYX	Not ready cross X position	011 00	105
∅URELR	Release cue rotation	011 00	85,89
∅URELX	Release cue X position	011 00	81,85,89
∅URELY	Release cue Y position	011 00	85,89
∅URETF	ASE circle/reticle format word	011 00	31,33,34,73, 78,94
∅URETG	ASE circle/reticle range	011 00	73,78,94
∅URETM	ASE circle/reticle gun RMAX	011 00	73,78
∅URETP	RMIN/RMAX2 symbol	011 00	73
∅URETR	ASE circle/reticle radius	011 00	31,33,34,73, 78,94
∅URETW	ASE circle/reticle sidewinder RMIN	011 00	78

Output Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
∅URETX	ASE circle/reticle X position	011 00	31,33,34,73, 78,79,80,94
∅URETY	ASE circle/reticle Y position	011 00	31,33,34,73, 78,79,80,94
∅URNG1	Absolute range/flood	011 00	100,102
∅URNG2	Absolute range/flood	011 00	100,102
∅URNG3	Absolute range/flood	011 00	100,102
∅URNG4	Absolute range/flood	011 00	102
∅USD1X	Steering half reference dot X position	011 00	26
∅USD1Y	Steering half reference dot Y position	011 00	26
∅USD2X	Steering full reference dot X position	011 00	26
∅USD2Y	Steering full reference dot Y position	011 00	26
∅USHTX	Shoot cue X position	011 00	79
∅USHTY	Shoot cue Y position	011 00	79
∅USKRX	Sidewinder seeker circle X position	011 00	77
∅USKRY	Sidewinder seeker circle Y position	011 00	77
∅USTRR	Situation steering rotation	011 00	26
∅USTRX	Situation steering X position	011 00	26
∅USTRY	Situation steering Y position	011 00	26
∅UTDBR	Target designator occlusion border for azimuth steering line	011 00	83
∅UTDCX	Target designator TDC dot X position	011 00	19
∅UTDCY	Target designator TDC dot Y position	011 00	19
∅UTDDN	Target designator down border	011 00	83
∅UTDLT	Target designator left border	011 00	83
∅UTDRT	Target designator right border	011 00	83
∅UTDUP	Target designator up border	011 00	83
∅UTKMT	Track memory time digits	011 00	76
∅UTKMX	Track memory X position	011 00	75,76
∅UTKMY	Track memory Y position	011 00	76
∅UTLN1	Aircraft tail number	011 00	60
∅UTLN2	Aircraft tail number	011 00	60
∅UTLN3	Aircraft tail number	011 00	60
∅UT∅∅X	HARM target of opportunity mode cue, X position	011 00	92
∅UT∅∅Y	HARM target of opportunity mode cue, Y position	011 00	92
∅UTTLX	HUD titling X position	011 00	60
∅UVRV1	Vertical velocity sign and digit 1	011 00	57
∅UVRV2	Vertical velocity digits 2 and 3	011 00	57
∅UVRV3	Vertical velocity digits 4 and 5	011 00	57
∅UVTDX	Velocity vector TDC dot, X position	011 00	19
∅UVTDY	Velocity vector TDC dot, Y position	011 00	19
∅UVVDN	Bottom velocity vector border	011 00	8

Output Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
∅UVVGX	Ghost velocity vector, X position	011 00	6,7
∅UVVGY	Ghost velocity vector, Y position	011 00	7
∅UVVLT	Left velocity vector border	011 00	8
∅UVVNX	Normal velocity vector X position	009 00	93,98,100,101
		011 00	6,8,10,19,21, 26,27,28,83, 84,85,87,88
∅UVVNY	Normal velocity vector Y position	009 00	75,93,98,100, 101
		011 00	6,8,10,19,21, 26,27,28,83, 84,85,87,88
∅UVVRT	Right velocity vector border	011 00	8
∅UVVUP	Top velocity vector border	011 00	8
∅UWPN1	A/A weapon select	011 00	62,63,66
∅UWPN2	A/A weapon select	011 00	62,63,66
∅UWPN3	Master arm cue	011 00	62,63,66
∅UWPN4	Gun rounds remaining	011 00	62,63
∅UWPN5	Gun rounds remaining	011 00	62,63
∅WAALT	Aircraft altitude	007 00	42
∅WACMD	Azimuth command	009 00	55
∅WACNM	Aircraft normal acceleration	007 00	4
∅WAFPA	Flight path angle	007 00	40
		016 00	5
∅WATAS	True airspeed	007 00	22
		016 00	5
∅WAZRT	Azimuth rate command	009 00	47
		017 00	6
∅WBAW4	BIT unique test - AWW4	004 00	20,30,34
∅WBHD1	SMS hold option request	004 00	20
∅WBHD2	SMS hold option request	004 00	20
∅WBHF2	HARM station 2 fail	004 00	27,34
∅WBHF3	HARM station 3 fail	004 00	27,34
∅WBHF7	HARM station 7 fail	004 00	27,34
∅WBHF8	HARM station 8 fail	004 00	27,34
∅WBHIT	HARM-CLC in test	004 00	27,34
∅WBHRM	BIT unique test - HARM	004 00	20,30,34
∅WBIFT	SMS inflight indication	004 00	7,30,34
∅WBITS	SMS initiated BIT request	004 00	20,26,30,34
∅WB∅PT	SMS BIT option word	004 00	30,34
∅WBSWT	Switch test required	004 00	30,34
∅WBTTW	SMS terminal test word	004 00	24,34
∅WDAAS	Walleye aft antenna select	015 00	115,119,120
∅WDAC∅	Angle coincidence flag	008 00	2,39

Output Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
∅WDAGN	A/G gun enable	009 00	2,59
		015 00	77,84,85,105
∅WDAL1	Altitude 1 switching command	008 00	2,49
∅WDAL2	Altitude 2 switching command	008 00	2,49
∅WDBMC	Backup mode command	017 00	6
∅WDCPC	HARM command destruct	015 00	122,123
∅WDCRB	Crab select (walleye)	015 00	115,130
∅WDD∅G	Dogfight command	008 00	2,48
∅WDDRC	Decrease rack count	015 00	77,83
∅WDFLD	Flood flag	008 00	2
∅WDGFI	Gunfire inhibit	005 00	51
∅WDGHI	Gun high rate	009 00	59
		015 00	80,105
∅WDGTS	HARM gyro test	015 00	122,123
∅WDHMD	HARM mode	015 00	123
		017 00	6
∅WDIFS	Inflight switching command	008 00	2,49
∅WDMCN	Emcon status to stores management system	013 00	54
		016 00	14
∅WDMFZ	A/G guided missile fuzing	015 00	125,130
		017 00	6
∅WDPCH	Pod channel select	015 00	119,120
∅WDPDI	Radar pulse doppler illumination on	008 00	2,3
		017 00	3
∅WDPD∅	Walleye pod on (station selected)	009 00	47
		015 00	76,81,85, 106,114,117, 128
∅WDPSI	Walleye pod status indication flag command	015 00	115,120
∅WDREN	Recorder energize	015 00	115,129
∅WDRF∅	Walleye RF on	015 00	115,120
∅WDRRT	Radar range rate track	008 00	2,48
		017 00	5
∅WDRTK	Radar range track	008 00	2,48
		017 00	5
∅WDSA∅	Station lock override-auto	015 00	77
∅WDSLE	Slew enable	009 00	47
		017 00	6
∅WDSLV	Slave command	009 00	3,55
∅WDSP∅	HARM self-protect pullback override	015 00	78
		017 00	6
∅WDSTP	Step	015 00	77,116
		017 00	8

Output Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
∅WDSTR	Slaving status	008 00	38
∅WDTST	Weapon test mode	015 00	115,119,120
∅WECMD	Elevation command	009 00	55
∅WELRT	Elevation rate command	009 00	47
		017 00	6
∅WMCCM	Maverick CCM BIT	015 00	115,125,127
∅WMCD1	Maverick code	013 00	67
		015 00	126
∅WMCD2	Maverick code	013 00	67
		015 00	126
∅WMCD3	Maverick code	013 00	67
		015 00	126
∅WMCD4	Maverick code	013 00	67
		015 00	126
∅WMC∅D	Maverick code	013 00	67
		015 00	126
∅WMVDL	Video command left	012 00	70
		015 00	118,133
		017 00	6,8,9
∅WMVDR	Video command right	012 00	70
		015 00	118,133
		017 00	6,8,9
∅WPCHG	Program-change command	015 00	84,91,94
∅WPEFZ	Program electrical fuze	015 00	91,93,94
∅WPFFS	Free fall select	015 00	91,93
∅WPGM1	Program word 1	015 00	91,93,94
∅WPGM2	Program word 2	015 00	91,93,94
∅WPGM3	Program word 3	015 00	94
∅WPGM4	Program word 4	015 00	94
∅WPIKL	Weapon release mode command	009 00	124
∅WPMFZ	Program - mechanical fuze	015 00	91,93,94
∅WPINT	Program interval	013 00	66
		015 00	93,94
∅WPMLT	Program multiple	013 00	66
		015 00	91,93,94
∅WPM∅D	Program mode	015 00	91,93,94
∅WPQTY	Program quantity	013 00	66
		015 00	91,93,94
∅WPRET	Bomb reticle depression angle	013 00	66
		015 00	93,94
∅WPSEQ	Program sequence	015 00	91,93,94
∅WRGRT	Range rate	008 00	48
		017 00	5

Output Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
⌀WSC⌀D	Standard weapon code	009 00	59
		015 00	83,85
⌀WSPGM	Program number	015 00	87,91
⌀WTIME	Bomb time of fall	009 00	66,79
⌀WTRNG	Target range	008 00	48
⌀W7EBP	English bias pitch	008 00	48,52,53
⌀W7EBY	English bias yaw	008 00	48,52,53
⌀W7HAP	Head aim pitch	008 00	50,53
⌀W7HAY	Head aim yaw	008 00	50,53
⌀W7RLC	AIM-7 roll command	008 00	48,52
⌀W9HAX	Head command-X coordinate	008 00	37
⌀W9HAY	Head command-Y coordinate	008 00	37
⌀XAALT	Aircraft altitude above target	009 00	10
⌀XBH⌀P	BIT hold options	004 00	20,30,34
⌀XBIFT	LST inflight indication	004 00	7,34
⌀XBITS	LST initiated BIT request	004 00	20,26,30,34
⌀XBLIB	LST test required	004 00	30,34
⌀XB⌀PT	LST BIT option word	004 00	30,34
⌀XBSIB	SCAM test required	004 00	30,34
⌀XBTTW	LST terminal test word	004 00	24,34
⌀XBUTS	BIT unique test	004 00	30,34
⌀XCCD1	LST code digit 1	015 00	150
⌀XCCD2	LST code digit 2	015 00	150
⌀XCCD3	LST code digit 3	015 00	150
⌀XCCD4	LST code digit 4	015 00	150
⌀XC⌀DE	LST code	013 00	67
		015 00	145,146,150
⌀XDALS	Aircraft altitude valid	009 00	10
⌀XDCAS	Strike camera auto initiate	009 00	58,66
⌀XDINI	LST reinitialize flag	009 00	12
⌀XDLSV	Commanded LST line of sight direction valid	009 00	3,11,12,54, 119
⌀XDM⌀D	LST mode command	009 00	12
		015 00	146,148
⌀XDPMD	Strike camera mode	009 00	12
		015 00	145,151
⌀XDSCW	LST scan pattern command	009 00	3,11,12,23, 54
		015 00	148
⌀XDSSS	Strike camera sequence select	009 00	2
⌀XDSTF	SCAM single frame	015 00	151
⌀XDTFV	Time of fall valid flag	009 00	1,66,79
⌀XDT⌀F	Time of fall	009 00	79
⌀XDXYR	Commanded line of sight rates valid	009 00	2,11,12,54

Output Reference Code To Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Logic Diagram No.
∅XHDGR	Aircraft heading rate	007 00	6
∅XL∅SD	LST line of sight direction down	009 00	54
∅XL∅SE	LST line of sight direction east	009 00	54
∅XL∅SN	LST line of sight direction north	009 00	54
∅XLRTD	Line of sight azimuth slew rate	009 00	11
∅XLRTE	Line of sight elevation slew rate	009 00	11
∅XSLDD	SCAM LOS direction down	009 00	119
∅XSLDE	SCAM LOS direction east	009 00	119
∅XSLDN	SCAM LOS direction north	009 00	119
∅YACL(1-2)	ACL pushbutton label - menu	012 00	43,72
∅YADI(1-2)	ADI pushbutton label - menu	012 00	72
∅YAGW(1-4)	A/G WPN pushbutton label - menu	012 00	43,72
∅YBIT(1-2)	BIT pushbutton label - menu	012 00	72
∅YCHK(1-3)	CHKLST pushbutton label - menu	012 00	72
∅YENG(1-2)	ENG pushbutton label - menu	012 00	72
∅YFCS(1-3)	FCES pushbutton label - menu	012 00	72
∅YFLR(1-2)	FLIR pushbutton label - menu	012 00	43,72
∅YLST(1-2)	LST pushbutton label - menu	012 00	43,72
∅YSTC(1-4)	STCAM pushbutton label - menu	012 00	43,72
∅YSTR(1-3)	STORES pushbutton label - menu	012 00	43
∅8MIAD	Memory inspect starting memory address	014 00	10
∅8RYPB	Relay pushbutton word	014 00	8

Internal Reference Code to Module Reference

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
ADRANG	Target range	008 00	2,9,15	24
AHA	Subroutine thrust	008 00		34
AHAB	Missile boost thrust	008 00	29,32	29,32
AHALFF	AIM-7 steering crossover	008 00	43	43
AHALMN	Minimum altitude coverage	008 00	12	
		015 00		69
AHALMX	Maximum altitude coverage	008 00	12	
		015 00		69
AHANGL	Radar scan angle	008 00	12	12
AHAS	Missile sustain thrust	008 00	29	29,32
AHASEL	ASE elevation	011 00		31,70
		015 00		9
		017 00	3,4	
AHASNT	AIM-9 azimuth steering error radius-no track	008 00		40
AHASPT	Target total aspect angle	008 00	35	30,43
AHASRD	Azimuth steering error radius	005 00		2
		008 00	2,40,41, 43,45,47	45,46
		011 00		31,70,71
		015 00		9
		017 00	3,4,5	
AHASTK	AIM-9 azimuth steering error radius-track	008 00		40
AHATB	Target acceleration vector-body coordinate	008 00	9,11	9,18,20,21, 22,24,35,36
AHATE	Target acceleration vector-earth coordinate	008 00	9,11	10,11
AHATG	Gun mode target acceleration vector	008 00	18,19,36	
AHATH	Target lateral horizontal acceleration	008 00	10	10
		015 00		8
AHATL	Target turn direction indicator	008 00	10	
		015 00		8
AHA0	Missile auxiliary variable A0	008 00	33	32
AHA1	Missile auxiliary variable A1	008 00	33	32
AHA2	Missile auxiliary variable A2	008 00	33	33
AHA3	Missile auxiliary variable A3	008 00	33	33
AHB1	Missile auxiliary variable B1	008 00	33	32

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
AHC	Subroutine constant	008 00		34
AHCA01	Missile auxiliary variable A0 constant 1	008 00		33
AHCA02	Missile auxiliary variable A0 constant 2	008 00		33
AHCB11	Missile auxiliary variable B1 constant 1	008 00		33
AHCDA	Differential altitude constant	008 00		29
AHCD1B	Boost drag constant 1	008 00		29
AHCD1S	Sustain drag constant 1	008 00		29
AHCD2B	Boost drag constant 2	008 00		29
AHCD2S	Sustain drag constant 2	008 00		29
AHCD3B	Boost drag constant 3	008 00		29
AHCD3S	Sustain drag constant 3	008 00		29
AHCD4B	Boost drag constant 4	008 00		29
AHCD4S	Sustain drag constant 4	008 00		29
AHCGL1	Gimble limit constant 1	008 00		30
AHCGL2	Gimble limit constant 2	008 00		30
AHCG1	Glide drag constant 1	008 00		29
AHCHC	Altitude correction constant	008 00		29
AHCMD1	Missile distance constant 1	008 00		31
AHCMD2	Missile distance constant 2	008 00		32
AHCMS1	Missile stability constant 1	008 00		30
AHCMS2	Missile stability constant 2	008 00		30
AHCRRV	Cursor range value	008 00	12	12
AHCR1	Missile maneuvering limit constant 1	008 00		32
AHCR2	Missile maneuvering limit constant 2	008 00		32
AHCTA	Target prediction time constant	008 00		35
AHCT1B	Boost thrust constant 1	008 00		29
AHCT1S	Sustain thrust constant 1	008 00		29
AHCT2B	Boost thrust constant 2	008 00		29
AHCT2S	Sustain thrust constant 2	008 00		29
AHCVGI	Velocity-at-guidance-initiate constant	008 00		35
AHD	Subroutine drag	008 00		34
AHDB	Missile boost drag	008 00	29,32	29,32
AHDELP	Seeker position error	008 00	39	39
AHDELT	Seeker position tolerance	008 00	39	39
AHDG	Missile glide drag	008 00	29	30,31,32
AHDMIS	Predicted gun miss distance	008 00	25	25
AHDRTH	Earth radius	008 00		10,12

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
AHDS	Missile sustain drag	008 00	29,32	29
AHELB2	Half bar scan angle	008 00	12	12
AHFLEX	AIM-9 flexure angle	008 00	37	37
AHFLXR	AIM-9 Roll flexure coefficient	008 00	27,37,55	37,39
AHFLX1	AIM-9 Pitch flexure coefficient 1	008 00	27,55	37
		017 00	4	4
AHFLX2	AIM-9 Pitch flexure coefficient 2	008 00	27,55	37
		017 00	4	4
AHGAZT	Gun orientation azimuth	008 00	17	17
AHGDEP	Gun caged depression angle	008 00	18	13
AHGDGB	Gravity drop vector	008 00	23	23,24
AHGDPA	Total motion vector	008 00	23,24	23,24
AHGDPT	Target motion vector-body coordinates	008 00	23	23
AHGEGA	Gun aim error	008 00	25	25
AHGEGD	Gun aim error rate	008 00	25	25
AHGEGF	Filtered gun aim error	008 00	25	25
AHGELT	Gun orientation elevation	008 00	17	17
AHGLUB	Gun line of sight unit vector	008 00	15,16,24	15,18
AHGNRG	Gun range	008 00	15,14,36	15,24
AHGNRT	Gun range rate	008 00	14,36	18
AHGRAV	Gravity vector	008 00	17	18,23
AHGRCV	Computed gun range	008 00	22	22
AHGRDS	Displayed gun maximum range	008 00	2,21,24	22,25
		011 00		73,78
AHGRET	Reticle position vector	008 00	23	23
AHGRF	Shoot cue tolerance	008 00	16,25	25
AHGRMX	Gun maximum firing range	008 00	21	21,22
AHGRPS	SIACCI range vector	008 00	23	23,25
AHGRTM	Range to impact point	008 00	23	24
AHGRUP	Gun range upper limit	008 00	22	22
AHGRUT	Reticle position unit vector	008 00	13,23	24
AHGRVP	Gun range along projectile path	008 00	22	22
AHGTFM	Gun maximum time of flight	008 00	21	21
AHGTØF	Bullet time of flight	008 00	16,22	18,20,21,22, 23,24
AHGVCM	Projectile velocity correction	008 00	22	22
AHGVLS	Average projectile velocity loss	008 00	22	22
AHGVØS	Average projectile overtake velocity	008 00	22	22
AHHAP	Head aim pitch	008 00	50	50,52
AHHAY	Head aim yaw	008 00	50	50,52
AHHC	Differential altitude variable	008 00	29	29

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
AHHCØV	Radar scan altitude	008 00	12	12
AHHFK	Aircraft altitude	008 00	7	8,10,29,33, 42,49,55
		009 00	104	
AHHRLK	Target relative altitude	005 00		2
		008 00	10	10
		015 00		63
AHHTK	Target altitude	008 00	8,10	10,29,30,49
		009 00	88	88
		015 00		8
AHKGB	Projectile drag constant	008 00		21
AHKGDR	Projectile drag coefficient	008 00	21	21,22,23
AHKGG	Gravity drop coefficient	008 00	23	23,24
AHKGLG	Gun boresight elevation	008 00	17	13,17
AHKGZG	Gun boresight azimuth	008 00	17	
AHLEBA	English bias lead angle azimuth	008 00	52	52
AHLEBE	English bias lead angle elevation	008 00	52	52
AHMCHT	Target mach number	008 00	10	
		009 00	88	88
		015 00		8
AHMNFN	Mach number function	008 00		10
		009 00		88
AHMRØL	Priority station roll	008 00	41	48
AHNUTC	Nutating vector rotation	008 00		37
AHNUTY	Nutating vector Y coordinate	008 00		37
AHNUTZ	Nutating vector z coordinate	008 00		37
AHØFBA	AIM-9 actual seeker off-boresight	008 00	39	39
AHØFBI	AIM-9 seeker voltage (correction)	008 00	39	39
AHØFBS	AIM-9 off-boresight slave angle	008 00	37	37
AHØMGB	Predicted wind rotation	008 00	44	44
AHPHAA	AIM-9 actual seeker phase	008 00	39	39
AHPHAS	AIM-9 phase slave angle	008 00	37	37
AHPHMC	English bias roll	008 00	52	52
AHPRLR	Limited reticle position vector	008 00	24	24
AHPRTF	Pressure ratio deficit	008 00	29	29
AHPTB	Steering vector	008 00	26,43,44, 47	40,44,46, 47
		011 00		72
		015 00		9
AHPTFA	Predicted target position	008 00	24	25
AHR	Intermediate variable	008 00	45	45

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
AHRANG	Target range	005 00		2
		008 00	2,11,15	10,24,25,26, 36,40,41,42, 43,44,45,46, 48,50,54
		011 00		73,78,102
		015 00		6,18
AHRATE	Target range rate	005 00		2
		008 00	2,9,11	32,34,43
		011 00		80
		015 00		6
AHRETX	Reticle X position	008 00	24	
		011 00		33,78
AHRETY	Reticle Y position	008 00	24	
		011 00		33,78
AHRFB	Flight range vector	008 00	43	47,52
AHRFM	English bias vector	008 00	52	52
AHRGAB	Gun range-to-target vector offset	008 00	14	18,22
AHRGSK	Sparrow seeker range	008 00	42	42,46
AHRGSP	Sparrow seeker range (preliminary)	008 00	42	42
AHRHAB	Head aim vector-body coordinate	008 00	50	50
AHRHAM	Head aim vector-missile coordinate	008 00		50
AHRH∅F	Relative air density	008 00	7	21,29,55
		009 00	104	
AHRM	Allowable target range	008 00	31	28
AHRMIN	Minimum launch range	008 00	2,32	32,40,43,45, 46
		011 00		73,74,78
		015 00		9
AHRML	Maneuver limit range	008 00	32	32
AHRMX1	Maximum launch range 1	008 00	2,28,40	40,43,45,46
		011 00		73,74
		015 00		9,18
AHRMX2	Maximum launch range 2	008 00	2,28	46
		011 00		73
		015 00		9
AHRUB	Target position unit vector-body coordinate	008 00	9,11	9,24,26,35, 37,39,40,43, 44,45,46,47, 50,54
		011 00		75
AHRUE	Target position unit vector-earth coordinate	008 00	9,11	10,11,42,46

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
AHSB	Missile boost distance	008 00	29	29,32
AHSKPA	Actual seeker position vector	008 00	39	39
AHSKPB	AIM-9 actual seeker position	008 00	39	
		011 00		77
AHSKPC	Seeker pointing command vector	008 00	37	37,39
AHSLVL	AIM-9 off-boresight slave voltage	008 00	37	37
AHSM	Missile distance-straight	008 00	31,32	31,32,34
AHSMP	Missile distance-path length	008 00	31,32	34
AHSS	Missile sustain distance	008 00	29	31,32
AHSTRL	Station roll angle table	008 00		41
AHSTX	Target distance radial	008 00	31,32	34
AHSTY	Target distance-tangential	008 00	31,32	31,32,34
AHTB	Missile boost time	008 00		29,30,31,32
AHTBA	Antenna-to-body transformation matrix	008 00	37	37
AHTC	Closing time-AIM-7	008 00	43	43
AHTDIR	Target direction angle	008 00	9	
		015 00		8
AHTDL	Time delay for missiles	008 00		32,34,43,44
AHTELM	Body/missile transformation elements	008 00		41
AHTF	Flight time to allowable range	008 00	31,32	28,31,32,34
AHTFLD	Missile flight time display count	008 00	3,54	
		011 00		76,101
AHTFLT	Missile time of flight	008 00	41,43	54
AHTFMN	Missile minimum flight time	008 00		32
AHTFMX	Missile maximum flight time	008 00		30,31
AHTFP	AIM-7 flight time	008 00	43	43
AHTFX1	Missile flight time to maximum range 1	008 00	28	43
AHTFX2	Missile flight time to maximum range 2	008 00	28	
AHTGB	Body-to-gun transformation matrix	008 00	17	17
AHTMB	Body-to missile transformation matrix	008 00	37,41	37,39,50,52
AHTMP	Subroutine temporary variable	008 00	34	34
AHTS	Missile sustain time	008 00		29,30,31,32
AHTWA	Track while scan target direction angles	008 00	11	
		015 00		7,8
AHTZ	Head aim delay time	008 00		50
AHV	Missile constraint velocities	008 00	30	30
AHVB	Missile boost velocity	008 00	29	29,32,33
AHVCLS	Required closing velocity - AIM-7	008 00	43	43

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
AHVF	Aircraft airspeed	008 00	7	43,44,50
		009 00	104	
AHVFB	Aircraft airmass velocity vector-body coordinate	008 00		18,20,21,22 23,35,44,50
		009 00	104	
AHVFK	Aircraft airspeed	008 00	7	29,30,32,33, 35,55
		009 00	104	
AHVFLS	Required velocity along line of sight - AIM-7	008 00	43	43
AHVFMB	Missile velocity at guidance initiate	008 00	35	35
AHVI	Missile intercept velocity	008 00	28,30	28,30,31
AHVINE	Missile no-escape intercept velocity	008 00	28	28
AHVMZB	Muzzle velocity vector	008 00	17	20,21,22,23
AHVPF	Projectile final airspeed	008 00	20	20,21
AHVRB	Missile relative velocity vector	008 00	35	35
AHVRY	Missile relative velocity-tangential	008 00	35	32,34
AHVS	Missile sustain velocity	008 00		28,30,31,32
AHVTB	Target airmass velocity vector-body coordinate	008 00	9,11	9,10,18,20, 21,22,24,29, 35,36,43,44, 50
AHVTE	Target airmass velocity vector-earth coordinate	008 00	9,11,19	9,10,11,19
AHVTG	Gun mode target airmass velocity vector	008 00	18,19,36	
AHVTK	Target airspeed	008 00	10	10,28,30
		009 00	88	88
AHVTMB	Modified target velocity vector	008 00	35	35
AHVTX	Modified target velocity-tangential	008 00	35	30,31,32,46
AHVTY	Modified target velocity-radial	008 00	35	30,31,32
AHVV	Subroutine velocity	008 00		34
AHWBDB	Body rate vector-body coordinate	008 00	17	18
AHWBFB	Filtered body-rate vector-body coordinate	008 00		18
AHWKAF	Filter body rate component	008 00	18	23,18
AH9SL5	AIM-9 off-boresight limit	008 00		37
AH9SL6	AIM-9 phase angle offset	008 00		27,37,39

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
AIACMM	Previous aircraft master mode	008 00	2	2
		017 00	3	3
AIDELY	Mission computer AIM-7 launch delay	008 00	54	54
AISITE	Gun sight type indicator	008 00	16,18	13,23,24
AISPST	Priority sparrow station	008 00	41	41
AISWST	Priority sidewinder station	008 00	27	27,55
		017 00	4	4
AITFLC	Missile time of flight	008 00	3	3
AITILM	Missile illumination	008 00	3,54	3
		017 00	3,5	3,5
AITRQL	Track condition flag	008 00	8,9,11	4,8,26,38, 40,41,48,50
		015 00		2,6,8
AIWEAP	Air-to-air weapon code	008 00	2,4	4,21,28,30, 33
		009 00	58	
		017 00	3	3
AIWPJ	Weapon constant index	008 00	26,41	30,31,32,33, 34,35
ALACM	Air combat maneuvering mode flag	008 00	2,44	48
ALAGTK	Gun angle track/track history flag	008 00	16	15,18,24
		009 00	2,11,36,44	48
ALAGTR	Previous track condition	008 00	5,38	38
ALALCV	Altitude coverage flag	008 00	2,12	
		015 00		69
ALBRXF	Break X flash flag	008 00	2,40,46	
		011 00		100
		015 00		65
ALCØIN	Angle coincidence flag	008 00	39	38
		011 00		77
ALDRET	Sight/missile switch history flag	008 00	38	38
ALDSCY	HARM sequence/FLIR field-of-view/RAID switch history flag	008 00	4	4
ALFXRN	Gun fixed range flag	008 00	14,15	24
ALGNP1	Gun first pass flag	008 00	5,13,16	16
		009 00	60	
ALGSH1	Shoot cue first pass flag	008 00	16,24	25
ALHRLV	Target relative altitude validity	008 00	2,10	
		015 00		63
ALHTKV	Target altitude validity	008 00	2,10	
		015 00	8	

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
ALMCHV	Target mach number validity	008 00	2,10	
		015 00		8
ALPØIN	AIM-9 pointing flag	008 00	38	37,38,39,40
		011 00		77
ALRTFL	Reticle limit flag	008 00	24	
		011 00		78
ALSHØF	Shoot cue flash flag	008 00	2,40,46	
		011 00		79
		015 00		65
ALSHØT	Shoot cue display flag	008 00	2,25,46	
		011 00		79
		015 00		18,65
ALSTRD	Steering display flag	008 00	2,40,46,47	
		011 00		72
		015 00		9
ALSTRF	Steering flash flag	008 00	2,40,46,47	
		011 00		72
		015 00		9
ALTDCP	Throttle designator control action history flag	008 00	4	4
		017 00	3	3
ALTRIG	Trigger history flag	008 00	54	54
		017 00	5	5
ALTRKP	Track history flag	008 00	4	
ARACQS	Buffered radar acquisition mode	008 00	2	6
		009 00		2
		017 00	1	
ARACTV	Radar active	008 00	2	
		017 00	1	
ARCHFL	Radar channel fail	008 00	2	
		017 00	1	
ARDRX1	Radar mode word	008 00	2	
ARFLØD	Buffered radar flood mode	008 00	2	3,6,48
		011 00		100
		015 00		63
		017 00	1	
ARMDFL	Radar mode fail	008 00	2	
		017 00	1	

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
ARMØDE	Buffered radar operating mode	007 00		26,31,32,35
		008 00	2	4,6,8,12,46
		009 00		2,10,20,23, 27,28,29, 32,34,37, 51,118,122, 123
		011 00		61,69,100
		015 00		1,64
		017 00	1	7
ARNCAC	Radar noncooperating target	008 00	2	
		017 00	1	
ARRAID	Buffered radar raid mode	008 00	2	
		017 00	1	
ARSLNT	Buffered radar silent mode	008 00	2	6
		009 00		34
		017 00	1	
ARTRAK	Buffered radar track mode	008 00	2	3,4,6,8
		009 00		2,10,30,33, 36
		011 00		61,100
		017 00	1	
ARTWLS	Track while scan launch range and steering target index	008 00	11	11
BDBNGØ	BIT no go flag	004 00	16,35	16,28
BDBUSB	Existing bus bad flags	004 00	8	8,10,15,19, 27,31
BDCMFP	First pass test complete flags	004 00	21,22,23, 25,30,34	21,22,30
BDEPRD	Equipment ready flags	004 00	3,35	2,3,6
BDERD2	Two equipment ready flags in a row	004 00	3	2
BDGØMS	Potential system go message flags	004 00	34,35	
BDHØLD	Hold option request flags	004 00	13,30,35	13,19,20,23, 25,30
BDIBCC	Initiated BIT complete flags	004 00	19,21,22, 29,35	19,29
BDINFP	Initiated BIT first pass flags	004 00	19,26,30, 34	19,30
BDINST	Initiated BIT start flag	004 00	9,11,12, 13,14,21, 22,23,25, 30,35	1,9,11,14, 20,26,30
		005 00		15

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
BDLST1	Bus X previous fail flags	004 00	3,35	2
BDLST2	Bus Y previous fail flags	004 00	3,35	2
BDMF1S	Two X fail flags, system order	004 00	5,35	2
BDMF2S	Two Y fail flags, system order	004 00	5,35	2
BDMUX1	Bus X fail flags	004 00	3,35	2,3,5
BDMUX2	Bus Y fail flags	004 00	3,35	2,3,5
BDMXF1	Two X fails flags R/T order	004 00	2,35	2,5
BDMXF2	Two Y fails flags R/T order	004 00	2,35	2,5
BDMX1S	Bus X fail flags system order	004 00 005 00	5,35	2,8 39
BDMX2S	Bus Y fail flags system order	004 00 005 00	5,35	2,8 39
BDSINT	Initiated BIT start flags	004 00	10,11,21, 35	11,21
BDSLT1	Self test first sample	004 00	21,23,25, 30,35	11,30
BDSLT2	Self test second sample	004 00	35	11
BDSYDG	System degraded message	004 00 014 00	28,35	28,29 15,18
BDSYDØ	System degraded/overheat message	004 00 014 00	28,35	15
BDSYGØ	System go message	004 00 014 00	28,34,35	15
BDSYIT	System in test message	004 00 014 00	11,19,21, 23,25,30, 35	11,30 15
BDSYNG	System no go message	004 00 014 00	2,6,35	29 15,18
BDSYNØ	System reports fail word	004 00	10,35	16,28
BDSYNR	Terminal not ready flag, system order	004 00 014 00	5,6,22,30, 35	15
BDSYØH	Overheat message flag	004 00 014 00	18,35	28 15,18
BDSYRS	System restart message	004 00 014 00	9,21,22, 23,30,35	9,30 15
BDSYST	System self test message	004 00 014 00	11,35	11 15
BDTERF	Total terminal fail, system order	004 00	2,35	2,28
BDTFLS	Previous single bus failures	004 00	2,35	2
BDTFRP	MMP reportable failure	004 00	2,35	2

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
BDTF1S	Terminal fail bus X, system order	004 00	2,35	2
BDTF2S	Terminal fail bus Y, system order	004 00	2,35	2
BDTPCS	Terminal test pattern fail flags	004 00	24,35	2
BDTRFS	Existing total temperature fail, system order	004 00	2,35	11,19,31, 32
BDTRMF	Terminal fail, equipment ready on, R/T order	004 00	2,35	5
BDTRMS	Terminal fail, equipment ready on, system order	004 00	5,35	2
BDTRNR	Terminal not ready flag	004 00	2,35	5
BDTSCM	System reports test complete	004 00	10,21,35	21,22,28
BD02DG	System repeater degraded message	004 00	28,35	28
		014 00		15
BD10DG	System MDG degraded message	004 00	28,35	28
		014 00		15
BD12DG	System MDG/repeater message	004 00	28,35	
		014 00		15
BEMMPC	AVBIT MMP code	004 00	27	
		005 00		14
BHARMC	HARM initiated BIT counter	004 00	21,25,35	25
BLARCF	AUG receiver BIT fail	004 00	29,35	
		010 00		32
BLBCNF	BCN BIT fail	004 00	29,35	
		010 00		29,32
BLBTRS	DL BIT request complete flag	004 00	27,29	
		010 00		28
BLCLØC	AVBIT clock	004 00	7,35	1,7,19,23
BLDCFG	HSD/MDRI ready	004 00	8	
BLDFLG	DL requested on flag	004 00	9,27,29	9,27
BLDSPS	MMD/MFD combined function status data	004 00	8	
BLDSP2	MMD/MFD combined function fails	004 00	8	
BLDSP3	MMD/MFD combined function fails	004 00	8	
BLDSP4	MMD/MFD combined WRA fails	004 00	8	
BLFCAC	FCES A caution data	004 00	31,32,35	32,33
BLFCAF	FCES A function status word	004 00	31,32,35	32
BLFCBC	FCES B caution data	004 00	31,32,35	32,33
BLFCBF	FCES B function status word	004 00	31,32,35	32
BLGØGØ	Test go flag	004 00	27,30	30
BLHDCN	Hold option code	004 00	13,30,35	
BLHSDS	HSD ready	012 00		12,52
		013 00		27,45,74
		014 00		3,29,31

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
BLILSF	ILS BIT fail	004 00	29,35	
		010 00		31
BLINFT	Inflight indication	004 00	7	12,13
		005 00		6,37,39,40, 42,44,46, 47,50
		006 00	25	17
		009 00		12,39
		012 00		47,77
		014 00		2,3,4,6
		016 00	9	
BLMDR2	MDRI2 ready	012 00		12,52
BLMNSA	FCES A BIT maintenance control	004 00	31,32	32
		014 00		11
BLMNSB	FCES B BIT maintenance control	004 00	31,32	32
		014 00		11
BLMNSC	SMS maintenance flags	004 00	8,35	
		014 00		12
BLMUXN	Bus X, Y selected flag	004 00	3	3,8
BLNØFF	Function fail flags off	004 00	16,17,35	
BLNØWF	WRA fail flags	004 00	16,17,35	
BLSMCW	Bus control word	004 00	34	
BLSTØP	Test stop first pass flag	004 00	1,30,34	
BLTTRP	Terminal test reply (system N)	004 00	24	24
BLTTWD	Terminal test word (system N)	004 00	24	24
BRVMSV	Saved FCES caution mode cue	004 00	36	33
BTEMPR	Old equipment ready flags	004 00	3	3
BTET1N	Elapsed time, system in test	004 00	19	23
BTLIMT	Initiated BIT time limits	004 00		23
BTMTBL	Terminal fail MMP codes	004 00	2	
		005 00		14
BWRANØ	WRA fail codes	004 00	17	17
		005 00		14
DCURSS	Sensor/auto acquisition switch position	012 00	63	63,64
DCYA (01-32)	20 per second cyclic chain for displays 1-32	012 00		34,61
DCYB (01-32)	10 per second cyclic chain for displays 1-32	012 00		34,61
DCYC (01-32)	5 per second cyclic chain for displays 1-32	012 00		34,61
DC11AL	LDDI area I configuration A commanded display format	012 00	53	56

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
DC11AR	RDDI area I configuration A commanded display format	012 00	53	56
DC11BB	RDDI and LDDI area I configuration B commanded display format	012 00	52,53	56
DC11CB	RDDI and LDDI area I configuration C commanded display format	012 00	12	
DC11CL	LDDI area I configuration C commanded display format	012 00		14
DC11CR	RDDI area I configuration C commanded display format	012 00		14
DC11DL	LDDI area I configuration D commanded display format	012 00		14
DC11DR	RDDI area I configuration D commanded display format	012 00		14
DC11EL	LDDI area I configuration E commanded display format	012 00		55
DC11ER	RDDI area I configuration E commanded display format	012 00		55
DC11FB	RDDI and LDDI area I configuration F commanded display format	012 00	52	55
DC21BB	RDDI and LDDI area II configuration B commanded display format	012 00	52	
DC21CB	RDDI and LDDI area II configuration C commanded display format	012 00	12	
DC21FB	RDDI and LDDI area II configuration F commanded display format	012 00	52	
DC31AL	LDDI area III configuration A commanded display format	012 00		56
DC31AR	RDDI area III configuration A commanded display format	012 00		56
DC31BB	RDDI and LDDI area III configuration B commanded display format	012 00	52,53	56
DC31CB	RDDI and LDDI area III configuration C commanded display format	012 00	12	

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
DC31CL	LDDI area III configuration C commanded display format	012 00		14
DC31CR	RDDI area III configuration C commanded display format	012 00		14
DC31DL	LDDI area III configuration D commanded display format	012 00		14
DC31DR	RDDI area III configuration D commanded display format	012 00		14
DC31EL	LDDI area III configuration E commanded display format	012 00		55
DC31ER	RDDI area III configuration E commanded display format	012 00		55
DC31FB	RDDI and LDDI area III configuration F commanded display format	012 00	52	55
DFLGSL	Error flags from slave	012 00	3,50	50
DIBGLA	Background data array - MC 2	012 00		28
DIBSSN	Menu control array table	012 00		44,73
DIBTT1	Menu control array - pushbutton 2	012 00	51	
DIBTT2	Menu control array - pushbutton 3	012 00	51,53	
DIC∅NT	Inactive DDI counter	012 00	10	10
DIDCDS	Display status flag	012 00	64	64
DIDFID	DFM identification	012 00	47,77	
DIDFMF	DFM flags	012 00	2,37,47, 53,77	2,37,40, 49,50,53
DIDFM1	Buffered MC 1 DFM flags	012 00	40	49
DIDFM2	Buffered MC 2 DFM flags	012 00	49,50	2
DILBE1	LDDI area I entry from I/O base register	012 00	29	
DILBE2	LDDI area II entry from I/O base register	012 00	29,30	
DILBE3	LDDI area III entry from I/O base register	012 00	29,30,31	
DILBR1	LDDI area I base register	012 00		28,29,30,31
DILBR2	LDDI area II base register	012 00		28,29,30,31, 37
DILBR3	LDDI area III base register	012 00		28,29,30
DILCMS	Master to slave load command - LDDI	012 00	26,27,32, 51	2,19,49
DILCSL	Slave to master load response - LDDI	012 00	2,11,19, 47,49,77	19,49

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
DILC1	LDDI area I display format	012 00	14,16,17, 21,49,55, 56	16,20,26, 27,28,32, 40,49,69
DILC2	LDDI area II display format	012 00	5,8,10,14, 16,18,21, 44,47,49, 53,55,56, 58,73,77	5,7,8,10, 14,16,18, 19,20,26, 27,28,32, 40,44,47, 49,53,55, 56,58,59, 69,73,77
DILC3	LDDI area III display format	012 00	14,16,17, 21,49,55, 56	16,20,26, 27,28,32, 40,49,69
DILDY1	LDDI area I one cycle delay flag	012 00	8,27,32, 49,59	49
DILDY2	LDDI area II one cycle delay flag	012 00	8,27,32, 49,59	49
DILDY3	LDDI area III one cycle delay flag	012 00	8,27,32, 49,59	49
DILEA1	LDDI area I entry from address	012 00	29	
DILEA2	LDDI area II entry from address	012 00	29,30	
DILEA3	LDDI area III entry from address	012 00	29,30,31	
DILEJ1	LDDI area I entry jump	012 00	28	
DILEJ2	LDDI area II entry jump	012 00	28	30
DILEJ3	LDDI area III entry jump	012 00	28	31
DILFLG	DFM left load status	012 00	2,5,19, 20,26,27, 32,47,49, 51,59,77	2,4,17, 19,26,27, 32,49,51, 59
DILI1	LDDI area I status	012 00	2,8,21	
DILI2	LDDI area II status	012 00	2,8,21	49
DILI3	LDDI area III status	012 00	2,8,21	
DILMN1	LDDI area I cyclic command	012 00	2,8,19,22, 26,27,32, 47,59,77	34,41,49, 61,69
DILMN2	Cyclic update commanded display	012 00	2,8,19,23, 26,27,32, 47,59,77	17,34,37, 41,46,49, 61,66,69, 70,75
		013 00		55,62,66,67
		014 00		18
		017 00		8,9

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
DILMN3	LDDI area III cyclic command	012 00	2,8,19,24, 26,27,32, 47,59,77	34,41,49, 61,69
DILP1	LDDI area I existing display format	012 00	21,27,32	26,32,39, 68
DILP2	LDDI area II existing display format	012 00	12,19,21, 27,32,52, 59	26,32,44, 58,64,68, 73
DILP3	LDDI area III existing display format	012 00	21,27,32	26,32,42, 71
DILXA1	LDDI area I exit address	012 00	28	29,30,31
DILXA2	LDDI area II exit address	012 00	28	30,31
DILXA3	LDDI area III exit address	012 00	28	
DILXJ1	LDDI area I exit jump	012 00	29,30,31	
DILXJ2	LDDI area II exit jump	012 00	30,31	
DILXJ3	LDDI area III exit jump	012 00	31	
DIMCID	MC identification	012 00	47,77	
DIMDII	Saved failed one time flags	012 00	3	3,50
DIØLDM	Old aircraft master mode	012 00	53	53
DIØTHØ	Previous status of other MC	012 00	11,47,51, 77	11,51
DIØTHR	Status of other MC	012 00	1,48	2,3,11,12, 13,18,19,33, 35,40,43, 44,49,51, 53,54, 57,62,66, 70,72,75
		014 00		28
DIRBE1	RDDI area I entry from I/O base register	012 00	29	
DIRBE2	RDDI area II entry from I/O base register	012 00	29,30	
DIRBE3	RDDI area III entry from I/O base register	012 00	29,30	31
DIRBR1	RDDI area I base register	012 00		28,29,30,31
DIRBR2	RDDI area II base register	012 00		28,29,30,31, 37
DIRBR3	RDDI area III base register	012 00		28,29,30
DIRCMS	Master to slave load command - RDDI	012 00	26,27,32, 51	2,33,49
DIRCSL	Slave to master load response - RDDI	012 00	2,11,33, 49,77	33,49

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
DIRC1	RDDI area I display format	012 00	14,16,21, 49,55,56	16,20,26, 27,28,32, 40,49,69
DIRC2	RDDI area II display format	012 00	7,9,10,14, 16,18,21, 44,47,49, 52,53,55, 56,58,73, 77	5,7,9,10, 14,16,18, 20,26,27, 28,32,33,40, 44,47,49, 53,55,56, 58,60,69, 73,77
DIRC3	RDDI area III display format	012 00	14,16,21, 49,55,56	16,20,26, 27,28,32, 40,49,69
DIRDY1	RDDI area I one cycle delay flag	012 00	9,27,32, 49,60	49
DIRDY2	RDDI area II one cycle delay flag	012 00	9,27,32, 49,60	49
DIRDY3	RDDI area III one cycle delay flag	012 00	9,27,32, 49,60	49
DIREA1	RDDI area I entry from address	012 00	29	
DIREA2	RDDI area II entry from address	012 00	29,30	
DIREA3	RDDI area III entry from address	012 00	29,30,31	
DIREJ1	RDDI area I entry jump	012 00	28	
DIREJ2	RDDI area II entry jump	012 00	28	30
DIREJ3	RDDI area III entry jump	012 00	28	31
DIRFLG	DRM right load status	012 00	2,7,20,26, 27,32,33, 47,49,51, 60,77	2,6,26,27, 32,33,49, 51,60
DIRI1	RDDI area I status	012 00	2,9,21	
DIRI2	RDDI area II status	012 00	2,9,21	49
DIRI3	RDDI area III status	012 00	2,9,21	
DIRMN1	RDDI area I cyclic command	012 00	2,8,22,26, 27,32,33, 47,60,77	34,41,49, 61,69
DIRMN2	Cyclic update commanded display	012 00	2,8,23,26, 27,32,33, 47,60,77	34,37,38,41, 46,49,61, 66,69,70, 75
		013 00		55,62,66,67
		014 00		18
		017 00		8,9

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
DIRMN3	RDDI area III cyclic command	012 00	2,8,24,26, 27,32,33, 47,60,77	34,41,49 61,69
DIRP1	RDDI area I present display format	012 00	21,27,32	26,32
DIRP2	RDDI area II present display format	012 00	12,21,27, 32,33,52, 60	26,32,44, 53,58,64, 68,73
		015 00		118,133
DIRP3	RDDI area III present display format	012 00	21,27,32	26,32
DIRXA1	RDDI area I exit address	012 00	28	29,30,31
DIRXA2	RDDI area II exit address	012 00	28	30,31
DIRXA3	RDDI area III exit address	012 00	28	
DIRXJ1	RDDI area I exit jump	012 00	29,30,31	
DIRXJ2	RDDI area II exit jump	012 00	30,31	
DIRXJ3	RDDI area III exit jump	012 00	31	
DISSL1	Saved LDDI area I display format	012 00	16	16
DISSL2	Saved LDDI area II display format	012 00	16	16
		014 00		29
DISSL3	Saved LDDI area III display format	012 00	16	16
DISSR1	Saved RDDI area I display format	012 00	16	16
DISSR2	Saved RDDI area II display format	012 00	16	16
DISSR3	Saved RDDI area III display format	012 00	16	16
DIVLD1	MC 1 transfer data validity	012 00	40,51	49
DIVLD2	MC 2 transfer data validity	012 00	11,69,77	2
DLACLM	ACL on menu flag	012 00	18,49,51	2,18,43,72
DLBMMD	Bit on MMD flag	012 00	13,17,49, 51,54	2,17,39,68
DLCAFP	Cautions first pass flag	012 00	41,47	
DLDCDA	Display active flag	012 00	64	64
DLHCCF	Hardware configuration change flag	012 00	5,7,8,9, 11,12,13, 47,51,52, 53,54,77	2,13,54
DLHSI	HSI status	012 00	12,52	
DLLI1A	LDDI area I being loaded flag	012 00	2,27,32	4,19,32,59
DLLI1B	LDDI area I waiting to be loaded flag	012 00	2,19,32, 59	27,32
DLLI1C	LDDI area I active flag	012 00	2,26	30,31
DLLI2A	LDDI area II being loaded flag	012 00	2,27,32	4,19,32,59
DLLI2B	LDDI area II waiting to be loaded flag	012 00	2,19,32, 59	27,32

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
DLLI2C	LDDI area II active flag	012 00	2,26	7,29,31,38, 41,44,46,64, 66,70,73,75
DLLI3A	LDDI area III being loaded flag	012 00	2,27,32	4,19,32,59
DLLI3B	LDDI area III waiting to be loaded flag	012 00	2,19,32, 59	27,32
DLLI3C	LDDI area III active flag	012 00	2,26	17,29,30
DLLMDI	LDDI status flag	012 00	5,8,10	2,3,10,14, 16,17,18,19, 35,41,42,50, 55,56,59,62, 71
		013 00		2
DLLRLD	LDDI reload flag	012 00	4,8,13,16, 19,40,49, 54,59	19,40,59
DLLRST	LDDI restart flag	012 00	8,19,26, 59	4
DLØGFP	On ground first pass flag	012 00	1,48,52	2,12
DLRI1A	RDDI area I being loaded flag	012 00	2,27,32	6,32,33,60
DLRI1B	RDDI area I waiting to be loaded flag	012 00	2,32,33, 60	27,32
DLRI1C	RDDI area I active flag	012 00	2,26	30,31
DLRI2A	RDDI area II being loaded flag	012 00	2,27,32	6,32,33, 60
DLRI2B	RDDI area II waiting to be loaded flag	012 00	2,32,33, 60	27,32
DLRI2C	RDDI area II active flag	012 00	2,26	5,6,29,31, 38,41,44,46, 64,66,70,73, 75
DLRI3A	RDDI area III being loaded flag	012 00	2,27,32	6,32,33, 60
DLRI3B	RDDI area III waiting to be loaded flag	012 00	2,32,33, 60	27,32
DLRI3C	RDDI area III active flag	012 00	2,26	29,30
DLRMDI	RDDI status flag	012 00	7,9,10	2,3,10,14, 16,17,33,35, 41,42,50,55, 56,60,62,71
DLRRLD	RDDI reload flag	012 00	6,9,13,16, 33,40,49, 54,60	33,40,60

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
DLRRST	RDDI restart flag	012 00	9,26,33, 60	6
DLSCF	HARM sequence/FLIR field of view/raid	012 00		2
DLSTIN	Stores initialization flag	012 00		2
		015 00	76	74,108
DLTDF1	TDC acknowledge flag - MC 1	012 00	36	36,63
DLTDF2	TDC acknowledge flag - MC 2	012 00	36,63	36,63
DLTDRF	TDC request - FLIR	012 00		63,65
DLTDRH	TDC request - HUD	012 00		63,65
DLTDRL	TDC request - LST	012 00	63	63,65
DLTDRM	TDC request - MAP	012 00		63,65
DLTDRN	TDC request - NAV	012 00		63,65
DLTDRR	TDC request - RADAR	012 00		63,65
DLTDRW	TDC request - TV WPN	012 00		63,65
DLTDSF	TDC priority flag - FLIR	009 00		21,38
		012 00	64,65	63
		015 00		136
DLTDSH	TDC priority flag - HUD	009 00		5,20,23,28, 74,123
		011 00		19
		012 00	64,65	63
DLTDSL	TDC priority flag - LST	009 00		11,13,21,74
		012 00	64,65	63
		015 00		145
DLTDSM	TDC priority flag - MAP	012 00	64,65	63
		013 00		12,29,76
DLTDSN	TDC priority flag - NAV	009 00		46
		012 00	64,65	63
		013 00		29
DLTDSR	TDC priority flag - RADAR	008 00		4,6
		009 00		4,20,29,30, 32,122
		012 00	64,65	63
		015 00		12
DLTDSW	TDC priority flag - TV WPN	009 00		47
		012 00	64,65	63
		015 00		116
DLTPAF	Test pattern acknowledge flag	012 00	12,13,16, 52,54	2,16
DLTPAT	Test pattern first pass flag	012 00	16,41	

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
DLTRM1	TDC request flag MC 1 to MC 2 MAP	012 00 013 00	36	36 75,76
DLTVWM	TV weapon on menu flag	012 00	58	2,58,72
DL05DL	LDDI first pass flag - 5HZ	012 00	38,46,66, 75	46,75
DL05DR	RDDI first pass flag - 5HZ	012 00	38,46,66, 75	46,75
DL10DL	LDDI first pass flag - 10HZ	012 00	38,41,66, 70	41,70
DL10DR	RDDI first pass flag - 10HZ	012 00	38,41,66, 70	41,70
DL20DL	LDDI first pass flag - 20HZ	012 00	38,66	66
DL20DR	RDDI first pass flag - 20HZ	012 00	38,66	66
DØLMN1	Old LDDI area I cyclic command	012 00	34,61	34,61
DØLMN2	Old LDDI area II cyclic command	012 00	34,61	34,61
DØLMN3	Old LDDI area III cyclic command	012 00	34,61	34,61
DØRMN1	Old RDDI area I cyclic command	012 00	34,61	34,61
DØRMN2	Old RDDI area II cyclic command	012 00	34,61	34,61
DØRMN3	Old RDDI area III cyclic command	012 00	34,61	34,61
DRASAX	Load area index	012 00	19,33,42, 59,60,71	20,21,26, 28,32,44, 73
DRBKGX	Background index	012 00	19,33,59, 60	
DRCCMX	Cyclic command index	012 00	19,33,34, 59,60,61	34,61
DRCYCF	Cyclic flags	012 00	35,62	35,62
DREVEN	Masked menu pushbuttons 1-10	012 00	44,73	44,73
DRFCRT	Existing error flag word	012 00	3,4,6,50	4,5,6,7
DRFPFL	First pass flags	012 00 015 00	41,46,66, 70,75	41 74,114,132, 133,145
DRFPRV	Failed one time flags	012 00	3,4,6,8, 9,50	3,4,6,50
DRIPB(1-4)	Pushbutton words 1-4	012 00	42,71	42,44,71,73
DRLWAX	Loader work array index	012 00	19,33,59, 60	20,22,23, 24
DRMDIX	DDI index	012 00	19,33,59, 60	25,26,27,29, 30,31
DRMSK1	Menu pushbuttons 1-10 mask	012 00	43,72	44,73
DRMSK2	Menu pushbuttons 11-20 mask	012 00	43,72	44,73
DRNEXT	Menu pushbutton selection	012 00	44,73	44,73

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
DRØDDN	Masked menu pushbuttons 11-20	012 00	44,73	44,73
DRXMNX	Cyclic command	012 00	38,41,66, 70	38,45,67, 74
DRXMN2	Area II cyclic command	012 00	46,75	46,75,76
DRXXP2	Area II present display format	012 00	14,15,55, 56	14,15,55, 56,57
DSWADC	DC pushbutton buffer MC1	006 00		24
		012 00	42,44	
		013 00	22,23,24, 25,27	
		014 00		26
DSWBDC	MC 2 DC pushbutton buffer	012 00	71,73	71
		015 00		130,142
DSWBFA	MC 1 AC pushbutton buffer	012 00	42,44	
		013 00		14,15,16, 18,19,20, 21,22,24, 25,26,27
		014 00		1,2,4,5,8,9
		017 00		8
DSWBUF	Pushbutton buffer - MC2	012 00	71,73	71
		015 00	84	27,74,77,78, 79,80,83,84, 86,91,92,93, 98,105,107,116, 117,120,123, 127,128,129, 130,131,137, 138,140,141, 142,145,146, 148,150,151
		016 00		12
DTCM12	Slave to master data buffer	012 00	40	
DTCM21	Master to slave data buffer	012 00	69	
DTDCR1	TDC request from MC1	012 00	11	63
DTDCSR	TDC request	012 00	11,63	63
DTLII1	LDDI buffered area I status from other computer	012 00		2
DTLII2	LDDI buffered area II status from other computer	012 00		2
DTLII3	LDDI buffered area III status from other computer	012 00		2

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
DTLMN1	Buffered LDDI area I cyclic command from other computer	012 00	69	2
DTLMN2	Buffered LDDI area II cyclic command from other computer	012 00	69	2
DTLMN3	Buffered LDDI area III cyclic command from other computer	012 00	69	2
DTLRFL	LDDI reload/restart flags	012 00	40,49	49
DTLRQ1	LDDI area I new display request	012 00		49
DTLRQ2	LDDI area II new display request	012 00		49
DTLRQ3	LDDI area III new display request	012 00		49
DTRII1	RDDI buffered area I status from other computer	012 00		2
DTRII2	RDDI buffered area II status from other computer	012 00		2
DTRII3	RDDI buffered area III status from other computer	012 00		2
DTRMN1	Buffered RDDI area I cyclic command from other computer	012 00	69	2
DTRMN2	Buffered RDDI area II cyclic command from other computer	012 00	69	2
DTRMN3	Buffered RDDI area III cyclic command from other computer	012 00	69	2
DTRRFL	RDDI reload/restart flags	012 00	40,49	49
DTRRQ1	RDDI area I new display request	012 00		49
DTRRQ2	RDDI area II new display request	012 00		49
DTRRQ3	RDDI area III new display request	012 00		49
EAENT1	Engine record data table	006 00	24	
EBBSUL	Left broad band sum, 5 sec.	006 00	16,27	
EBBSUR	Right broad band sum, 5 sec.	006 00	16,27	
EDCFFL	Left life cycle full fatigue counter	006 00	19	19,25
EDCFFR	Right life cycle full fatigue counter	006 00	19	19,25
EDCFPL	Left life cycle partial fatigue counter	006 00	19	19,25
EDCFPR	Right life cycle partial fatigue counter	006 00	19	19,25
EDENGL	Left engine total time	006 00	22	22,25
EDENGR	Right engine total time	006 00	22	22,25
EDSPCL	Left total stress rupture counts	006 00	21	21,25
EDSPCR	Right total stress rupture counts	006 00	21	21,25
ED3CAL	Left PS3 cycle A counter	006 00	20	20,25
ED3CAR	Right PS3 cycle A counter	006 00	20	20,25

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
ED3CBL	Left PS3 cycle B counter	006 00	20	20,25
ED3CBR	Right PS3 cycle B counter	006 00	20	20,25
EGTDT5	Delta T5C calculated	006 00	13	13,14,21
EHBBAL	Left broad band vibration average	006 00	16	16,24
EHBBAR	Right broad band vibration average	006 00	16	16,24
EHEPRL	Left engine pressure ratio	006 00	17,18	17,18
		014 00		27
EHEPRR	Right engine pressure ratio	006 00	17,18	17,18
		014 00		27
EHNHAL	Left compressor speed 1/REV vibration average	006 00	16	16,24
EHNHAR	Right compressor speed 1/REV vibration average	006 00	16	16,24
EHNLAL	Left fan speed 1/REV vibration average	006 00	16	16,24
EHNLAR	Right fan speed 1/REV vibration average	006 00	16	16,24
EHNMDS	Transmission length	006 00	24,25	
EHØPAL	Left oil pressure average	006 00	15	15,24
EHØPAR	Right oil pressure average	006 00	15	15,24
EIACCL	Left normal acceleration timer	006 00	15,27	15
EIACCR	Right normal acceleration timer	006 00	15,27	15
EIBBCL	Left counter broad band	006 00	16,27	16
EIBBCR	Right counter broad band	006 00	16,27	16
EIBSEL	Left broad band vibration table index	006 00	18	18
EIBSER	Right broad band vibration table index	006 00	18	18
EIINDX	Engine index	006 00	1	1,4
EIMEFL	Left buffered main engine fuel	006 00	13,27	
EIMEFR	Right buffered main engine fuel	006 00	13,27	
EIMPL1	Left event flags 0-15	005 00		14
		006 00	7,8,9,10, 11,12,13, 14,15,16, 17,26	23,24,26
EIMPL2	Left event flags 16-31	005 00		14
		006 00	17,18,26	23,24,26
EIMPR1	Right event flags 0-15	005 00		14
		006 00	7,8,9,10, 11,12,13, 14,15,16, 17,26	23,24,26

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
EIMPR2	Right event flags 16-31	005 00		14
		006 00	17,18,26	23,24,26
EINBCL	Left counter narrow band	006 00	16,27	16
EINBCR	Right counter narrow band	006 00	16,27	16
EINHAL	Left compressor overspeed counter A	006 00	10,27	10
EINHAR	Right compressor overspeed counter A	006 00	10,27	10
EINHBL	Left compressor overspeed counter B	006 00	10,27	10
EINHBR	Right compressor overspeed counter B	006 00	10,27	10
EINHCL	Left compressor overspeed counter C	006 00	10,27	10
EINHCR	Right compressor overspeed counter C	006 00	10,27	10
EINHDL	Left compressor overspeed counter D	006 00	10,27	10
EINHDR	Right compressor overspeed counter D	006 00	10,27	10
EINHEL	Left compressor overspeed counter E	006 00	10,11,27	11
EINHER	Right compressor overspeed counter E	006 00	10,11,27	11
EINHFL	Left compressor overspeed counter F	006 00	10,11,27	11
EINHFR	Right compressor overspeed counter F	006 00	10,11,27	11
EINHGL	Left compressor overspeed counter G	006 00	10,11,27	11
EINHGR	Right compressor overspeed counter G	006 00	10,11,27	11
EINHHL	Left compressor overspeed counter H	006 00	10,11,27	11
EINHHR	Right compressor overspeed counter H	006 00	10,11,27	11
EINLAL	Left fan overspeed counter A	006 00	7,27	7
EINLAR	Right fan overspeed counter A	006 00	7,27	7
EINLBL	Left fan overspeed counter B	006 00	7,27	7
EINLBR	Right fan overspeed counter B	006 00	7,27	7
EINLCL	Left fan overspeed counter C	006 00	7,27	7
EINLCR	Right fan overspeed counter C	006 00	7,27	7
EINLDL	Left fan overspeed counter D	006 00	7,27	7

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
EINLDR	Right fan overspeed counter D	006 00	7,27	7
EINLEL	Left fan overspeed counter E	006 00	7,8,27	8
EINLER	Right fan overspeed counter E	006 00	7,8,27	8
EINLFL	Left fan overspeed counter F	006 00	7,8,27	8
EINLFR	Right fan overspeed counter F	006 00	7,8,27	8
EINLGL	Left fan overspeed counter G	006 00	7,8,27	8
EINLGR	Right fan overspeed counter G	006 00	7,8,27	8
EINLHL	Left fan overspeed counter H	006 00	7,8,27	8
EINLHR	Right fan overspeed counter H	006 00	7,8,27	8
EINLIL	Left fan overspeed counter I	006 00	9,27	9
EINLIR	Right fan overspeed counter I	006 00	9,27	9
EINLJL	Left fan overspeed counter J	006 00	9,27	9
EINLJR	Right fan overspeed counter J	006 00	9,27	9
EIØPHL	Left oil pressure high counter	006 00	15,27	15
EIØPHR	Right oil pressure high counter	006 00	15,27	15
EIØPLL	Left oil pressure low counter	006 00	15,27	15
EIØPLR	Right oil pressure low counter	006 00	15,27	15
EIØSUL	Left engine oil pressure sum	006 00	15	
EIØSUR	Right engine oil pressure sum	006 00	15	
EIØT1L	Left overtemperature counter 1	006 00	12,27	12
EIØT1R	Right overtemperature counter 1	006 00	12,27	12
EIØT2L	Left overtemperature counter 2	006 00	12,27	12
EIØT2R	Right overtemperature counter 2	006 00	12,27	12
EIØT3L	Left overtemperature counter 3	006 00	13,27	13
EIØT3R	Right overtemperature counter 3	006 00	13,27	13
EIØT4L	Left overtemperature counter 4	006 00	13,27	13
EIØT4R	Right overtemperature counter 4	006 00	13,27	13
EIØT5L	Left overtemperature counter 5	006 00	13,27	14
EIØT5R	Right overtemperature counter 5	006 00	13,27	14
EIØT6L	Left overtemperature counter 6	006 00	13,27	14
EIØT6R	Right overtemperature counter 6	006 00	13,27	14
EIØT7L	Left overtemperature counter 7	006 00	13,27	14
EIØT7R	Right overtemperature counter 7	006 00	13,27	14
EIØVCL	Left broad band vibration over limit counter	006 00	16,27	16
EIØVCR	Right broad band vibration over limit counter	006 00	16,27	16
EIRUNL	Left 5 minute run timer	006 00	15,27	15
EIRUNR	Right 5 minute run timer	006 00	15,27	15
EISECL	Left 1 second timer	006 00	15,27	15
EISECR	Right 1 second timer	006 00	15,27	15
EISNFL	Left sensors fail	005 00		14
		006 00	2,4,5,6	5,26

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
EISNFR	Right sensors fail	005 00		14
		006 00	2,4,5,6	5,26
EISNFT	5 second delay timer	006 00	26,27	26
EITSTP	Table store pointer	006 00		24
EITYPE	Type engine data	006 00	24,25	
ELASIV	All engine signals not valid	006 00	2	1
ELCF1L	Left life cycle fail 1	006 00	19	19
ELCF1R	Right life cycle fail 1	006 00	19	19
ELCF2L	Left life cycle fail 2	006 00	19	19
ELCF2R	Right life cycle fail 2	006 00	19	19
ELEBRN	Both engines running	005 00		6,47
		006 00	2,4	
ELLCDP	Left compressor discharge pressure validity	006 00	2,6	20
ELLEGT	Left exhaust gas temperature validity	006 00	2,6	12,17
ELLEIT	Left engine inlet temperature validity	006 00	2,6	9,13,17, 21
ELLENV	Left engine displays valid	006 00	2,5,23,24	5
		014 00		27
ELLEØP	Left engine oil pressure validity	006 00	2,6	15
ELLEPR	Left engine pressure ratio validity	006 00	2	17
ELLERN	Left engine running	005 00		37,43
		006 00	2,4,5	15
ELLFFV	Left fuel flow validity	006 00	2,5	13
ELLFIT	Left fuel inlet temperature validity	006 00	2,5	
ELLNØZ	Left nozzle position validity	006 00	2	17
ELLN1V	Left N1 RPM validity	006 00	2,4	7
ELLN2V	Left N2 RPM validity	006 00	2,4	10,12,15,19, 21,22
ELLTDP	Left turbine discharge pressure validity	006 00	2,6	17
ELLTHT	Left thrust validity	006 00	2,17	
ELLVIB	Left vibration validity	006 00	2,5	16
ELRCDP	Right compressor discharge pressure validity	006 00	2,6	20
ELREGT	Right exhaust gas temperature validity	006 00	2,6	12,17
ELREIT	Right engine inlet temperature validity	006 00	2,6	9,13,17,21

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
ELRENV	Right engine displays valid	006 00	2,5,23,24	5
		014 00		27
ELRE∅P	Right engine oil pressure validity	006 00	2,6	15
ELREPR	Right engine pressure ratio validity	006 00	2	17
ELRERN	Right engine running	005 00		37,43
		006 00	2,4,5	15
ELRFFV	Right fuel flow validity	006 00	2,5	13
ELRFIT	Right fuel inlet temperature validity	006 00	2,5	
ELRN∅Z	Right nozzle position validity	006 00	2	17
ELRN1V	Right N1 RPM validity	006 00	2,4	7,19
ELRN2V	Right N RPM validity	006 00	2,4	10,12,15,19, 21,22
ELRTDP	Right turbine discharge pressure validity	006 00	2,6	17
ELRTHT	Right thrust validity	006 00	2,17	
ELRVIB	Right vibration validity	006 00	2,5	16
EMETP1	Metal temperature TM1	006 00	21	21
EMETP2	Metal temperature TM2	006 00	21	21
EMETP3	Metal temperature TM3	006 00	21	21
EMUTHA	High pressure turbine blade stress rupture counts	006 00	21	21
ENHRM5	Compressor speed reference minus 1250	006 00	17	
ENHRP5	Compressor speed reference plus 500	006 00	17	
ENHSUL	Left compressor speed vibration sum	006 00	16	
ENHSUR	Right compressor speed vibration sum	006 00	16	
ENLC	Corrected fan speed	006 00	9	9
ENLSUL	Left fan speed vibration sum	006 00	16	
ENLSUR	Right fan speed vibration sum	006 00	16	
EN∅ZP∅	PFRT/QT nozzle position	006 00	17	
E∅KCTL	Left engine OK counter	006 00	2,3	1,3
E∅KCTR	Right engine OK counter	006 00	2,3	1,3
EPCDGD	Bleed air thrust loss	006 00	18	18
EP3LAL	Left PS3 cycle fail A	006 00	20	20
EP3LAR	Right PS3 cycle fail A	006 00	20	20
EP3LBL	Left PS3 cycle fail B	006 00	20	20
EP3LBR	Right PS3 cycle fail B	006 00	20	20
ESPACL	Engine counter	006 00	24,27	24

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
ESPACR	Engine counter	006 00	24,27	24
ETHRSL	Left engine percent take-off thrust	006 00 014 00	18,27	18,24 27
ETHRSR	Right engine percent take-off thrust	006 00 014 00	18,27	18,24 27
ET∅TAL	Left thrust average	006 00	18,27	18
ET∅TAR	Right thrust average	006 00	18,27	18
ET∅THL	Left 10 second thrust timer	006 00	17,27	17,18,24
ET∅THR	Right 10 second thrust timer	006 00	17,27	17,18,24
ET∅TSD	Computed take-off thrust for 59°F standard day	006 00	18	18
ET∅TSL	Left thrust sum	006 00	18,27	18
ET∅TSR	Right thrust sum	006 00	18,27	18
EVFCNH	Compressor vibration filter control	006 00		16
EVFCNL	Fan vibration filter control	006 00		16
E2SPR1	Dump the buffer flag	005 00 006 00	20 27	16,20 25
E2SPR2	Airborne flag	006 00	25,27	25
GAR	Slew rate vector	009 00	25	25
GATA	Ballistics pointer A	009 00	60	60,66
GATAB	Main ballistics pointer table	009 00		60
GATABB	Second ballistics pointer table	009 00		60
GATA32	Ballistic pointer table A32	009 00		60
GATB	Ballistic pointer B	009 00	60	60
GATB32	Ballistic pointer table B32	009 00		60
GATMP	Decoder word	009 00	65	
GAT1	Ballistic pointer 1	009 00	60	60,85
GAT1S	Ballistic pointer temporary 1	009 00	85	86
GAT2	Ballistic pointer 2	009 00	60	85
GAT2S	Ballistic pointer temporary 2	009 00	85	86,89
GBD	Rack displacement - earth	009 00	65	77,88,93
GBDC	Rack displacement - body	009 00	65	62,65,100
GBTEM	Temporary variable	009 00	89	89
GCB	Ballistic coefficient	009 00		80
GCBX	Temporary variable	009 00	89	89
GCIPQX	Continuously computed impact point time-to-go cue X position	009 00 011 00	75	89
GCIPQY	Continuously computed impact point time-to-go cue Y position	009 00 011 00	75	75 89
GCIPX	Current impact point HUD X position vector	009 00 011 00	93	75,78,93,98 86,88,90

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
GCIPY	Current impact point HUD Y position vector	009 00 011 00	93	75,78,93,98 86,88,90
GCTAU	Time of fall ratio table	009 00	86	87
GDADR1	Shaped air density ratio	009 00	86	86
GDADV	Pattern advance vector	009 00	93	93,100
GDALT	Air-to-ground best altitude	008 00 009 00	10	51 10,15,31,46, 63
GDAP	Aimpoint vector	008 00 009 00	15 14,16,26, 42,43,55, 93,119	14,16,18,26, 42,43,53,54, 55,119,120, 121
GDAPD	Aimpoint vector down	008 00 009 00	51 15,24,25, 37,48,49, 77,94,100, 119	51 15,17,22,24, 25,49,77,100
GDAPE	Aimpoint vector east	008 00 009 00	51 15,24,25, 37,48,49, 77,94,100, 119	51 15,17,22,25, 49,77,100
GDAPN	Aimpoint vector north	008 00 009 00	51 15,24,25, 37,48,49, 77,94,100, 119	51 15,17,22,25, 49,77,100
GDAPP	Predicted aimpoint vector	009 00	17	16,37,48,94
GDAR	Aimpoint rate vector	009 00	17,37,48, 94	17,37,48,94
GDARS	Saved aimpoint rate vector	009 00	17	17
GDBKXA	Break X altitude	009 00	117	117
GDCB	Ballistics coefficient	009 00	61,86	80,81,86,87, 89
GDCIP	Current impact point vector	009 00	93	93
GDCPH	CCIP HUD coordinate from pilots eye	009 00	93	75
GDCTA	Radar AGR mode depression angle	009 00	31	31
GDEREF	Radar AGR mode east reference value	009 00	35	31
GDFAZ	FLIR slaving azimuth angle	009 00	3,45	40,45
GDFEL	FLIR slaving elevation angle	009 00	3,45	40,45

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
GDFP1	Shaped flight path angle	009 00	86	86,89
GDH	Temporary altitude loss	009 00	79,80,82, 88	80,82,88
GDHC	HUD displacement - body	009 00		18
GDHREF	Radar AGR mode horizontal reference value	009 00	31	31
GDHRNG	Horizontal range	009 00	31,35,49	31,35,49
GDH1	Temporary altitude loss 1	009 00	84	84
GDH2	Temporary altitude loss 2	009 00	84	84
GDMIND	Minimum down component	009 00	24	24
GDMØD	Gravitational acceleration	009 00	90	90
GDMPV	Saved aimpoint vector	009 00	16,52,53	16,52,53
GDM2	Shaped mach number	009 00	86	86
GDNREF	Radar AGR mode north reference value	009 00	35	31
GDØAPD	Offset aimpoint vector down	007 00		78,81
		009 00	9,20,22, 31,36,44, 46,70	9,22,24,31, 35,37,48
GDØAPE	Offset aimpoint vector east	007 00		78,81
		009 00	9,20,22, 31,36,44, 46,70	9,22,24,31, 35,37,48
GDØAPN	Offset aimpoint vector north	007 00		78,81
		009 00	9,20,22, 31,36,44, 46,70	9,22,24,31, 35,37,48
GDØLV	Earth rotation rate vector	009 00	2	17

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
GD∅P	Predicted offset aimpoint vector	009 00	48	9,48,49,51, 52,54,119
GD∅V	HUD vertical offset	009 00	24,77,119	
GDPTA	Total shaped mach number	009 00	86	86
GDP1A	Shaped mach number 1A	009 00	86	86
GDP2A	Shaped mach number 2A	009 00	86	86
GDP3A	Shaped mach number 3A	009 00	86	86
GDRA	Auto mode range to go vector	009 00	96	96
GDRATE	Estimated range rate	009 00	92,95	92,95
GDRAVE	Average range	009 00	95	95
GDRC1	Air density constant 1	009 00		84
GDRC2	Air density constant 2	009 00		84
GDRDP	Designation point vector	009 00	35,37	31,37
GDRDR	Radar designation point rate	009 00	37	37
GDRG	Target ground range	009 00	78	72,97,102
GDRGIN	In range limit	009 00	72	72
GDRMAX	Maximum estimated range rate	009 00		92
GDRMIN	Minimum estimated range rate	009 00		92
GDR∅P	Gravity drop table	009 00	61,83	86,87,89
GDR∅PM	Gravity drop maximum	009 00		83
GDR∅PR	Temporary gravity drop	009 00	82,83,90	83
GDRPCR	Radar AGR mode cross range rate	009 00	120	121
GDRPC1	Radar AGR cross range value 1	009 00	120	120
GDRPC2	Radar AGR cross range value 2	009 00	120	120
GDRPC3	Radar AGR cross range value 3	009 00	120	120
GDRPC4	Radar AGR cross range value 4	009 00	120	120
GDRPC5	Radar AGR cross range value 5	009 00	120	120
GDRPDR	Radar AGR mode down range rate	009 00	120	121
GDRPD1	Radar AGR down range value 1	009 00	120	120
GDRPD2	Radar AGR down range value 2	009 00	120	120
GDRPD3	Radar AGR down range value 3	009 00	120	120
GDRPD4	Radar AGR down range value 4	009 00	120	120
GDRPD5	Radar AGR down range value 5	009 00	120	120
GDRPU	Target range from pilots eye	009 00	111	116
GDRRE	Radar pointing vector	008 00	24	
		009 00		111,119
GDRREF	Radar AGR mode range reference value	009 00	35	31
GDRTMP	Air-to-ground temporary register (aimpoint range)	009 00	48	48
GDRTR1	Range to go history 1	009 00	94,102	95
GDRTR2	Range to go history 2	009 00	94,102	94,95,102
GDRTR3	Range to go history 3	009 00	94,102	94,95,102

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
GDRTR4	Range to go history 4	009 00	94,102	94,95,102
GDRTR5	Range to go history 5	009 00	94,102	94,95,102
GDRWCT	Weapon range cross track	009 00	97	97
GDRWG	Weapon ground range	009 00		94,102
GDRWGT	Weapon range along track	009 00	97	97
GDRWP1	Weapon ground range history 1	009 00	92	92
GDRWP2	Weapon ground range history 2	009 00	92	92
GDRWP3	Weapon ground range history 3	009 00	92	92
GDRWP4	Weapon ground range history 4	009 00	92	92
GDRWP5	Weapon ground range history 5	009 00	92	92
GDR1	Average history inputs rate 1	009 00	92,95	92,95
GDR2	Average history inputs rate 2	009 00	92,95	92,95
GDR3	Average history inputs rate 3	009 00	92,95	92,95
GDR4	Average history inputs rate 4	009 00	92,95	92,95
GDR5	Average history inputs rate 5	009 00	92,95	92,95
GDSCAL	Scaled gun range	008 00	15,51	15
		009 00	15	15
GDS∅	Sensor offset vector	009 00	20,42	10
GDS∅D	Sensor offset vector - down	009 00		22
GDS∅E	Sensor offset vector - east	009 00		22
GDS∅N	Sensor offset vector - north	009 00		22
GDSRNG	Slant range	008 00		15
		009 00	37,49	37,54
GDTA2	Second phase speed	009 00	89	88,89
GDTGT	Target vector	008 00		15
GDTGTD	Target vector down	005 00		2
		007 00		78
		009 00	9,22	9,22,24,77
GDTGTE	Target vector east	005 00		2
		007 00		78
		009 00	9,22	9,22,24,77
GDTGTN	Target vector north	005 00		2
		007 00		78
		009 00	9,22	9,22,24,77
GDTMR	Memorized target rate vector	009 00	94	94
GDTMV	Memorized target vector	009 00	94	94
GDTP	Predicted target vector	009 00	48	9,48,49,119
GDTPR	Air-to-ground predicted target register	009 00	48	48
GDTR	Target rate vector	009 00	48	48,118
GDTREL	Time to release	009 00	95	68,69,72,95

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
GDTRR	Rack to target range vector	009 00	77	71,72,78,79, 84,88,93,96, 100
GDTRV	Target range vector	009 00	77,78	70,77,85,94, 98,99,111
GDTR1	Time of release computations	009 00	95	95
GDTWIP	Time until over impact point	009 00	79,80,96	80,82,96
GDV∅	HUD vertical offset	008 00		15,51
		009 00	14,22,42, 43	15
GDWPN	Weapon range	009 00	91	78,91,92,93, 96,97,100, 112
GDWRNG	OAP/TGT range	009 00	49	
		011 00		55
		013 00		2
GESL	Elevation steering line angular error	009 00	71	
GFAZ	FLIR azimuth and ground track	009 00	40	40
GFD	FLIR displacement - earth coordinates	009 00		43,44,52,53
GFDD	FLIR displacement down	009 00		42,43
GFDEPR	Negative FLIR depression angle	009 00		39
GFGAIN	Radar AGR mode filter gain	009 00	30	31
GFPA	Flight path angle	009 00		112
GFPAC	Flight path angle	009 00		64,97
GFT	Pull up time factor	009 00	114	112
GFX	Pull up range factor	009 00	114	112
GGRAVC	Gravitational constant	009 00		62,64,80,81, 87,90,112,116
GGT	Ground track	009 00		116,120,121
GGTA	Ground track angle	009 00	2	78,92,93,94, 96,97
GGTC	Ground track	009 00		112
GGTR	Ground track rate	009 00	121	121
GHADR	Air density ratio table	009 00	84	84,86
GHAPU	Altitude above last release	009 00	116	116
GHD	HUD displacement	009 00		111
GHDD	HUD displacement - down	009 00		24,77,119
GHDEL	First phase relative altitude	009 00	61,81	79,82,88,112
GHDELR	Temporary partial altitude	009 00	82	82
GHERR	Release altitude error	009 00	71	71
GHERRM	Maximum release altitude error	009 00		71

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
GHFPA	Temporary flight path angle	009 00	64	64
GHL	Altitude loss during pull up	009 00	64,116	64,116
GHØS	HUD offset vector	009 00	100	18
GHRZ	Altitude above release	009 00	71	71
GHWBRG	OAP bearing	009 00	49	
		013 00		2
GIAØLM	Old aircraft master mode	009 00	123	2,59
GICQE	Weapon release call	003 00		10
		009 00		94,95,124
GID	Air-to-ground module index	009 00	51,61	51,61
GIJ	Selected solution type index	009 00	79,88,96, 99,113	80,81,82,83, 85,86,87,88, 89,90,91
GIMULT	Release multiple	009 00	65	65
GINREL	Number of release pulses	009 00	65	65,112,124
GIØCNT	Old weapon count	009 00	59,60	59
GIØFFS	Old selected drag value	009 00	123	59
GIØWPN	Old selected weapon	009 00	60,123	59,61
GIPBL	Ballistic coefficient pass counter	009 00	60,123	86,123
GIPUPC	Pull up pass counter	009 00	117	117
GIQTY	Release quantity	009 00	65	65
GIRDRT	Radar pointing type	009 00	118,119	120
GIREL	Release count	009 00	61,124	95,124
GIRLPM	Last pass radar mode	009 00	123	2
GIRØLM	Old radar mode	009 00	2,28	30
GIRØLT	Old radar pointing type	009 00	120	120
GIRPC	Radar AGR mode pass counter	009 00	30,35	30
GIRPPC	Rate pass counter	009 00	118,120	118
GIRPST	Old priority station number	009 00	123	65
GIRTYP	Rack type	009 00	65	65
GITMRA	Acquisition timer	009 00	20,36,41, 44	36,44
GITMRM	Mode initialization timer	009 00	61,63	63,69,72,92
GITMRT	TDC bias timer	009 00	4	4
GIWMØD	Weapon delivery mode	009 00	63	63,66,67,69, 70,74,78,93, 94,99,100, 101,102,110, 111,117,123, 124
		011 00		94,104
GIWØLM	Old conventional weapon delivery mode	009 00	123	61,63

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
GLADSG	Designation data in aimpoint flag	009 00	20,41,46, 70	22
GLALTV	Air-to-ground altitude validity	008 00		15
		009 00	10	10,22
GLAP	Aimpoint flag	008 00	51	15
		009 00	15	22,42
GLASL	Azimuth steering line on	009 00	2,61,67	
		011 00		82
		015 00		135
GLASLE	Azimuth steering line enable flag	009 00	67	67
GLASLF	Azimuth steering line flash flag	009 00	61,66,124	
		011 00		82
GLBRKX	Break X on	009 00	111,117	
		011 00		109
GLCIP	Current impact point symbol on	009 00	2,61,74	
		011 00		90
GLCIPF	CCIP flash flag	009 00	61,66,124	
		011 00		90
GLCIPI	CIP invalid flag	009 00	93	74
GLCIPL	CIP limited flag	009 00	93	74,94
		011 00		86
GLCIPQ	CCIP time-to-go cue on	009 00	74,75	
		011 00		89
GLDBS∅	Radar doppler beam sharpened outline mode flag	009 00	32	27
GLDILF	Displayed impact line flash flag	009 00	61,66,124	
		011 00		88
GLDIL1	Displayed impact line 1	009 00	2,61,74	
		011 00		88
GLDIL2	Displayed impact line 2	009 00	2,61,74	
		011 00		86,88
GLDIL3	Displayed impact line 3	009 00	2,61,74	
		011 00		88
GLDL	Data link delivery	009 00	2	57,66,111
GLDSCY	Old HARM sequence/FLIR field-of-view/raid switch flag	009 00	122	122
GLDSF	Offset flag	009 00		48
GLDSYM	Diamond steering symbol	009 00	56	
		011 00		17
GLESL	Elevation steering line on	009 00	2,61,67, 71	
		011 00		84
GLFLRI	FLIR initialization	009 00	39	2,38,39

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
GLFLRR	FLIR reinitialized	009 00	2,39	39
GLFPAR	Radar AGR mode redesignation first pass flag	009 00	35,37	37
GLFPD	Designation first pass flag	009 00	22,48	48
GLFPFS	Filter first pass flag	009 00	61,69	69
GLFPNW	First pass flag	009 00	16,37,48, 94	17
GLFPSE	Filter first pass flag	009 00	60,112	112,113
GLFTT	FLIR at target flag	009 00	3,44	21
GLGUN	Air-to-ground gun mode active	009 00	2	58,111,117, 119
		011 00		14,64,94,104, 105,106,108
		017 00	1	
GLHDW	High drag weapon flag	009 00	60	72
GLINRG	Weapon in range	009 00	105	
		011 00		109
GLLCMD	LST command flag	009 00	13	13
GLLDSG	LST designation flag	009 00	3,11,21	11,19,54
		011 00		98
GLLSTI	LST initialized	009 00	12	2,11,12
GLLSTR	LST reinitialize	009 00	2,11,12	12
GLLTK	LST track symbol on	009 00	2,11,13, 16	24
		011 00		91
GLLTKF	LST track symbol flash flag	009 00	16	
		011 00		91
GLMTGT	Moving target flag	009 00	3,20,21	91,121
GLNDSG	Navigation designation flag	009 00	3,20,46,70	9
		016 00	2	
GLNS∅L	No solution predicted	009 00	100	74,102
GL∅AP	Offset aimpoint designation flag	007 00		72,74,78,81
		009 00	3,22	2,3,11,13,22, 24,38,41,46, 47,48,49,56, 57,63,67,74, 76,78,102,119
		011 00		54,55
		013 00		2,5,10,15,21
		015 00		23,40,41,71, 140,148
		017 00	1	

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
GLØSF	Offset flag	009 00	2,20,21, 22,44,46, 48,70	9,22
		011 00		54
GLPUC	Pull up cue on	009 00	111,116	
		011 00		87
GLRCMD	Radar command flag	009 00	29	27
GLRDRI	Radar initialized	009 00	28	27
GLRDSG	Radar designation flag	009 00	3,20,30,35	27,30,118
GLREL	Release cue symbol on	009 00	2,61,67, 73,124	
		011 00		85
GLRELE	Release enable flag	009 00	61,67,94, 95,102,124	124
GLRET	HUD reticle on	009 00	2,61,74, 76,105,106	24,70,119
		011 00		93,94
GLRETF	HUD reticle flash flag	009 00	61,76,106	
		011 00		93,94
GLRIP	Release in progress	009 00	61,66,124	59,66,68,70, 97,110,112,117
		010 00		35
GLRLM	Reticle limited flag	009 00	100	100
GLRTAQ	Radar track	009 00	2	3,20,28,36,51
GLSSYM	Steering symbol on	009 00	2,56	
		011 00		17
		017 00	1	
GLTD	Target designator symbol on	009 00	2,3,50	
		011 00		18,19,83
		017 00	1	
GLTDCA	Throttle designator control action	009 00	4,8	4,13,19,23, 29,32,33,41, 46,47
		012 00		63
		013 00		12,76,88,89
		015 00		1
GLTDCD	TDC pressed for designation flag	009 00	4,20,42	67
GLTDCØ	Old TDC action value	009 00	4	19,23,29,32, 33,41
GLTDF	TD symbol flash	009 00	50,124	
		011 00		18
GLTDMV	TD multiplex bus valid flag	009 00	8	4
GLTDSH	TDC at HUD last pass	009 00	123	11,23

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
GLTGT	Target designation flag	005 00	2	
		007 00		78
		009 00	3,22,46	20,21,24,44, 49,67,68,69, 76,77,102, 105,119
		011 00		54
		013 00		21
		017 00		1
GLTM	Target memorized flag	009 00	66,94	94
GLTTG	HUD time-to-go on flag	009 00	2,61,68, 69,74,124	117
		011 00		107
		015 00		71,140
GLVCV	Radar video cursor valid	009 00	2	33,35
GLWRL∅	Old weapon release pushbutton pressed	009 00	123	94
GL2FAZ	2 phase weapon flag	009 00	60	79,80,82,85, 90,91,96,99
GM	Phase 2 mach number	009 00	85,88	86
GMAG	TDC polar magnitude	009 00	6	6
GMAGS	TDC shaped magnitude	009 00	6	6
GNDT∅	Old ground track	009 00	61,97	97
GNULLX	TDC null position X	009 00	4	4
GNULLY	TDC null position Y	009 00	4	4
G∅AGR	Radar AGR mode commanded rate vector	009 00	30,31	118
GPADV	Pattern advance range	009 00	65,111	78,93,94,95, 116
GPAT	Bomb path at arm time	009 00	112,114	112,114,115
GPUA	Pull up cue angle	009 00	116	116,117
		011 00		87
GPUAS	Minimum pull up angle	009 00	111,112	112,116
GP1FT∅	Phase one option mode fuze time	009 00		87
GP1FTP	Phase one primary mode fuze time	009 00		87
GP2V	Phase 2 initial total velocity down	009 00	89	89,90,96
GRACKD	Rack delay time	009 00		65
GP2VA	Phase 2 initial airmass velocity down	009 00	89	89
GRDC	Radar displacement	009 00		118
GRDELT	Roll angle difference	009 00	62	62

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
GRDEPR	Reticle depression angle	009 00	76	76
		017 00	6	6
GRDLY	Rack delay	009 00		62,65,80,91, 96,100
GRDØT	Radar AGR mode commanded error dot product	009 00	30	30
GRDSØ	Station displacement average vector	009 00		65
GRDSR	Station displacement table	009 00		65
GRETIP	HUD reticle interpolation parameter	009 00	98	98
GRETLX	HUD reticle limit X position vector	009 00	98	100
GRETLY	HUD reticle limit Y position vector	009 00	98	100
GRETX	Reticle X position	009 00	76,78,93, 100,101, 105,106	24,77,101, 119
		011 00		34,88,93,94
		017 00	6	
GRETY	Reticle Y position	009 00	76,78,93, 100,101, 105,106	24,77,101, 119
		011 00		34,88,93,94
		017 00	6	
GRGPU	Pull up distance to last bomb	009 00	116	116
GRGRT	Weapon ground speed	009 00	92	92,93,94
GRGW5	Safe escape weapon range	009 00	112	112
GRØLLF	Filtered roll angle	009 00	62	62
GRQA	Release cue angular error	009 00	73	
		011 00		85
GRRNG	Slant range	009 00	119	118,119
GRTHT	Rack depression angle	009 00		62,105
GRTMP	Temporary range scale value	009 00	51	51
GRVEL	Rack ejection velocity	009 00		62,65
GRVRL	Relative velocity vector	009 00	118,121	118,121
GSANG	OAP depression angle	009 00	37	37
GSED	Weapon separation at arm time	009 00	112	112
GSERR	Steering error	005 00		2
		009 00	56,97	67,68,72,97, 102
		011 00		17,82
		015 00	135	135

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
GSGAB	Flight path angle counter	009 00	85,88,89	85,86,88
GSIG	Air density ratio target	009 00	84	84
GSTIK	Stick length	009 00	112	112
GTALPH	Temporary variable 3	009 00	89	89,91,96
GTALTS	Temporary FLIR altitude source	009 00	10	10
GTAU	Actual time of fall table	009 00	61,87,112	87,89,91,112
GTAUP	Airmass time of fall	009 00	61,87	79,81,82,87, 91,96
GTAUT	Total actual time of fall	009 00	91	79,91
GTAUTP	Total airmass time of fall table	009 00	91	91
GTC	Release initiation delay	009 00	93	93
GTCAPU	TCA pull up altitude loss	009 00	64	63
GTCUB	TCA cubic break	009 00		65
GTDCB	Selected TDC deadband	009 00		6
GTDCX	Throttle designator control rate - X	009 00	6	11,25,41,42, 45,47
		013 00		87
GTDCXB	Buffered TDC input - X	009 00	4	6,7
GTDCY	Throttle designator control rate - Y	009 00	6	11,25,41,42, 45,47
		013 00		87
GTDCYB	Buffered TDC input - Y	009 00	4	6,7
GTDELX	TDC delta X value	009 00	4	4
GTDELY	TDC delta Y value	009 00	4	4
GTDØT	Radar AGR mode command rate - theta	009 00	31	31
GTDTX	Temporary TDC X value	009 00	4,8	4
GTDTY	Temporary TDC Y value	009 00	4,8	4
GTDX	TD symbol X position	009 00	50	
		011 00		18,83
GTDY	TD symbol Y position	009 00	50	
		011 00		18,83
GTF	Filtered time-to-go	009 00	69	68,69,73
GTFAZ	FLIR slaving azimuth angle	009 00	39	
GTFEL	FLIR slaving elevation angle	009 00	39	
GTGAIN	Radar AGR mode filter gain constant	009 00	30	31
GTGØ	Time-to-go	009 00	100	69,100
GTGØA	Auto mode time-to-go	009 00	96	71,96,97
GTGØT	TCA time-to-go	009 00	100	100
GTHTC	Rack depression cosine table	009 00		105
GTHTS	Rack depression sine table	009 00		105
GTHUD	HUD scaling constants	009 00		5

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
GTIN	Release time interval	009 00	92	92,112
GTMAX	Maximum release time interval	009 00		92
GTMAXS	Selected TDC maximum value	009 00		6
GTMIN	Minimum release time interval	009 00	65	92
GTPU	Pull up time	009 00	112	112
GTSCA	Selected TDC magnitude	009 00		6
GTSCB	Selected TDC cubic weight	009 00		6
GTSCV	TDC scaling	009 00	5	
GTSS1	Selected sensor constant - LST	009 00		5
GTSS2	Selected sensor constant - FLIR	009 00		5
GTSS3	Selected sensor constant - Maverick	009 00		5
GTSS4	Selected sensor constant - Radar map	009 00		5
GTSS5	Selected sensor constant - Walleye	009 00		5
GTTG	HUD time-to-go	009 00 011 00	68	68,117 107
GTVEL	Target velocity vector	009 00		91,121
GT1	Temporary time to release	009 00	82	82
GVBD	Temporary weapon velocity vector down	009 00	64	89,90
GVFR	Safe escape velocity factor	009 00	115	112
GVTAD	Temporary airspeed value	009 00	64	64
GVZ	Temporary vertical velocity	009 00	79,81,90, 96	80,81
GVZD	Temporary down velocity	009 00	64	64,100
GWDV	Weapon ejection velocity vector - body	009 00	62	62
GWPTCA	TCA value	009 00 015 00	63	97
GWSDT	Minimum release time interval	009 00	60	65
GWTCA	Terrain clearance altitude value	009 00	60	63,116
GWVEL	Weapon ejection velocity vector - earth	009 00		64,79,81,82, 89,90,91,96
GWVELD	Weapon ejection velocity vector - down	009 00		64
GXA	Down range travel	009 00	112	112
GXD	LST displacement - earth coordinates	009 00	14	14
GXDC	LST displacement - body coordinates	009 00		14
GXDD	LST displacement down	009 00		14

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
GXLTKX	LST track symbol X position	009 00	16	
		011 00		91
GXLTKY	LST track symbol Y position	009 00	16	
		011 00		91
GXTDC$\emptyset$	Saved TDC X value	009 00	4	4
GYTDC$\emptyset$	Saved TDC Y value	009 00	4	4
GZA	Freefall drop distance	009 00	112	112
GZI	Temporary altitude	009 00	88,99	90
GZR	Temporary vertical velocity	009 00	63	63,71,85,88, 90,99,100
HCAAHM	Attitude hold engaged	013 00	2	4,32,38
HCAAPN	Autopilot disengaged	010 00		17
		013 00	2	3,39,55
HCABAH	Barometric altitude hold engaged	013 00	2	4,34,38
HCADLM	Data link mode coupled	010 00		1,14,15,16, 20,21,30,33, 34
		013 00	2	16,21,38
HCAHHM	Heading hold engaged	010 00		16,27,28,31
		013 00	2	3,31,38
HCAHSM	Heading select engaged	013 00	2	4,33,38
HCARAH	Radar altitude hold engaged	013 00	2	4,35,38
HCCLXH	Computed course line X head position	013 00	7	7
HCLSET	Course last setting angle	013 00	6	6
HC$\emptyset$MSR	Compass scale range	013 00	27	10,11,75,78
HC$\emptyset$MUP	Compass up degrees	013 00	9	6,11
HCRFAC	Course change rate	013 00	6	6
HCRS$\emptyset$X	Course offset X	013 00	5	7
HCRS$\emptyset$Y	Course offset Y	013 00	5	7
HCSETA	Course set angle	007 00		76,77
		013 00	6	5,6
HCSETT	Course setting - truncated	013 00	6	6
HCSSET	Course set	013 00	2	5,6
HDALAT	Aircraft latitude	007 00		79
		013 00	43,57	
HDAL$\emptyset$N	Aircraft longitude	007 00		79
		013 00	43,57	
HDBDEG	Waypoint offset bearing	013 00	49	49
HDCBAM	Coordinate bams value	013 00	43,49,50, 52,58	43,49,50, 52,58
		016 00	15	15
HDCLAT	Carrier latitude	013 00	58	58

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
HDCLØN	Carrier longitude	013 00	58	58
HDCØMK	Heading compass keys	013 00		25
HDDFRC	Distance from row center	013 00	82	81,82
HDDGHK	Heading directional gyro keys	013 00		25
HDDLAT	Delta latitude	013 00	77,87	87,89
HDDLØN	Delta longitude	013 00	77,87	87,89
HDFCØZ	Distance from center of row	013 00	79,86,90	80
HDHLAT	HSD latitude	007 00		82
		013 00	77,87,88, 89	79,83,84, 85,87,88
HDHLFC	Longitude from center	013 00	84	
HDHLØN	HSD longitude	007 00		82
		013 00	77,87,88, 89	79,84,87,88
HDINSP	MAP inches/sprocket pitch	013 00		81,84
HDLLAT	Last slew latitude	013 00	89	89
HDLLØN	Last slew longitude	013 00	89	89
HDLØZC	Zone center	013 00	85	86,90
HDMAPØ	MAP rotation angle	013 00		79
HDMBEF	MAP below equator flag	013 00	83	79,82,84, 85,86,90
HDMCLB	Center longitude of block	013 00	84	79,84
HDMCLT	Center longitude table	013 00		84
		014 00	31	
HDMCM0	Map constant zero	013 00	86	80
HDMCM1	Map constant one	013 00	86	80
HDMCM2	Map constant two	013 00	86	80
HDMCM3	Map constant three	013 00	86	80
HDMCM4	Map constant four	013 00	86	
HDMCXG	Map coordinates X grid	013 00	79	81,82
HDMCXP	Map coordinates X position	013 00	79	79
HDMCYG	Map coordinates Y grid	013 00	79	82,90
HDMCYP	Map coordinates Y position	013 00	79	79
HDMEMA	Memory inspect address	013 00	64	
		014 00	9	9
HDMEMN	Computer number	013 00	64	
		014 00		9
HDMLLB	Lowest latitude of block	013 00	84	84,86,90
HDMLLT	Lowest latitude table	013 00		84
		014 00	31	
HDMRWD	Row width	013 00	83	84,86,90
HDMSWB	Strip width	013 00	84	82
HDMTM0	Map table zero	013 00		86

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
HDMTM1	Map table one	013 00		86
HDMTM2	Map table two	013 00		86
HDMTM3	Map table three	013 00		86
HDMTM4	Map table four	013 00		86
HDMXYC	X/Y conversion constant	013 00		81
HDMYRC	Y row change	013 00		82
HDMZWD	Map zone width degrees	013 00	85,83	84,85,86
HDM35D	Map constant	013 00		83,85
HDØPTK	Heading option keys	013 00		24
HDØSD	Waypoint offset vector down	009 00		9,22,48
		013 00	29	
HDØSE	Waypoint offset vector east	009 00		9,22,48
		013 00	29	
HDØSN	Waypoint offset vector north	009 00		9,22,48
		013 00	29	
HDPRAD	Projection radius	013 00	80	79,86,90
HDSLVK	Heading slave keys	013 00		25
HDTDCN	Nav TDC priority	013 00		29
HDTDCP	Map TDC priority	013 00		29
HDTLAT	TACAN latitude	007 00		63
		013 00	59	50,59
HDTLØN	TACAN longitude	007 00		63
		013 00	59	50,59
HDWLAT	Waypoint latitude	007 00	78	74,81,83
		010 00	3	
		013 00	60	43,49,88
HDWLØN	Waypoint longitude	007 00	78	74,81,83
		010 00	3	
		013 00	60	43,49,88
HDWØSB	Waypoint offset bearing	010 00	3	
		013 00	60,88	29,49
HDWØSR	Waypoint offset range	010 00	3	
		013 00	60,88	29,49,60
HDWRNG	Waypoint range	007 00	74	74
		011 00		55
		013 00	2	10,44
HDXLØD	Map X length of data	013 00		53
HDXSØD	Map X start of data	013 00		53
HDXTWØ	Mascii table of two words	013 00		14,16,21,42
HDYBØT	Y bottom of zone	013 00	86	90
HDYRØW	Y center of row	013 00	86,90	82
HDYTØP	Y top of row	013 00	86	90
HFØPTB	UFC option overrides - FCES	013 00	38	38,54,55

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
HFØPTS	Old UFC option overrides - FCES	013 00	55	55
HHLSET	Heading last setting	013 00	8	8
HHØCLL	Half of course line length	013 00	7	7
HHØPTB	UFC option overrides	013 00		54
HHØWNØ	Old waypoint number	013 00	27	
HHRFAC	Heading change rate	013 00		8
HHSETA	Heading set angle	013 00	8	5,8,9
HHSETT	Heading setting - truncated	013 00		8
HHSSET	Command heading set	013 00	2	8
HHTALT	TACAN altitude	007 00		63
		013 00	59	51,59
HHTCHN	TACAN channel	007 00		63
		013 00	59	51
HHTNUM	TACAN number	013 00	50	45,50,51,59
HHTRNG	TACAN range	007 00	73	
		013 00		10
HHTTTG	TACAN time-to-go	007 00	73	73
		013 00		44
HHTVAR	TACAN magnetic variation	007 00		63
		013 00	59	51,59
HHTXYM	TACAN X/Y mode	007 00	63	
		013 00	59	51
HHVBAM	Magnetic variation bams value	013 00	51,52,59	51,52,59
HHVDTS	Magnetic variation	013 00	51	51
HHWALT	Waypoint altitude	007 00		43,74,81
		010 00		3
		013 00	60,88	29,49,60
HHWBRG	Waypoint bearing	007 00	74	
		009 00		56
		013 00	2	9
HHWNUM	Waypoint number	007 00		74,81,83
		013 00	21,46	21,27,29,45,49,60,88
HHWØSA	Waypoint offset altitude	010 00	3	
		013 00	60	49,60
HHWTTG	Waypoint time-to-go	007 00	75	75
		013 00		44
HIACTR	Attitude hold engaged counter	013 00	4,32	4
HIAIRI	Air index	013 00	54	56
HIAMER	Attitude hold engage request	013 00	32	32
HIAPAC	Autopilot altitude counter	013 00	4,34,35,39	39

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
HIAPAM	Autopilot altitude mode	011 00		52
		013 00	4,34,35,39	
		016 00	2	
HIAPHC	Autopilot heading counter	013 00	3,4,32,33, 39	39
HIAPHM	Autopilot heading mode	010 00		16
		011 00		52
		013 00	3,4,31,32, 33,39	31,32,33
		016 00	2	
HIAPNS	Autopilot not selected	013 00	31	31
HIBCTR	Barometric altitude hold engaged counter	013 00	4,34	4
HIBLKN	Block number	013 00	78,84	83,84
		014 00	31	
HIBMER	Barometric altitude hold engage request	013 00	34	34
HICRIC	Course rate increase counter	013 00	6	6
HICTØP	Compass top	013 00	27	9,27,79
HIDLMØ	Data link mode	010 00	21,25,27, 28,31	1,5,8,11, 12,19,21, 25,27,28, 31,35
		012 00		18
		013 00	15,16	15,16,17,37
		015 00		3,62
		016 00	8,12	8,10,12
HIDNUM	Data number	013 00	48,61	48,53
HIFAIL	Heading failure type	007 00	7,10	10
		013 00	24	22,25
HIHCTR	Heading select engaged counter	013 00	4,33	4
HIHHEC	Heading hold engaged counter	013 00	3,31	3
HIHHER	Heading hold engage request	013 00	31	1
HIHHFC	Heading hold flash counter	013 00	3,31	3
HIHMER	Heading select engage request	013 00	33	33
HIHRIC	Heading rate increase counter	013 00	8	8
HIMEMI	Memory inspect index	013 00	54	55
HIMNSB	Number of strips in block	013 00	84	90
HIMNST	Number of strips table	013 00		84
		014 00	31	
HIMSCB	Scale of block	013 00		83
		014 00	31	
HIMSCL	Map scale	013 00	75	83,85,86

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
HINMKN	Mark number	007 00		78
		013 00	14	14
HIPØST	Position source	007 00		2,47,52,60 79
		013 00	20	
HIRCTR	Radar altitude hold engaged counter	013 00	4,35	4
HIRMER	Radar altitude hold engage request	013 00	35	35
HISCLI	Scale index	013 00	27	27
HISCLS	Scale size	013 00	14	14,27
HIUFDF	UFC data mode	013 00	14,45	45,46,76
HIUMØD	UFC mode request	013 00	22,31,37, 46,54,75	38,54
		014 00	1,5,9	
		015 00		84
HIUPDN	Update type	007 00	26,31,79	26,52,79
		013 00	18	12,22,59,68, 76
HIUPDT	Update mode level	007 00	26	
		013 00	14,18,19	13,18,22
HIZØNI	Zone index	013 00	86	86
HIZØNN	Zone number	013 00	84,85,90	85,86,90
HKDAF1	Buffered align frequency digit 1	010 00		22
		013 00	29	
HKDAF2	Buffered align frequency digit 2	010 00		22
		013 00	29	
HKDAF3	Buffered align frequency digit 3	010 00		22
		013 00	29	
HKLDLA	Buffered data link A-J	010 00		22
		013 00	29	
HKLDLC	Data link deck edge cable enable	010 00		22
		013 00	29	42
HKLDLM	Buffered data link missed message	010 00		21,23,25,30, 34
		013 00	29	
HKLDLØ	Buffered data link on	010 00		21,22,25,28
		013 00	29	
HKLDLU	Buffered data link UTM	010 00		2,21,22,25
		013 00	29	
HKLDLX	Data link X dat mode	010 00		22
		013 00	29	
HKLDMD	Buffered data link mode	010 00		4,22
		013 00	29	

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
HK∅PTB	UFC option overrides	013 00	22,31,46	54
HKRDFV	ADF valid	013 00	29	9
		016 00	2	11
HKRUDL	Buffered UFC data link pushbutton	010 00		22
		013 00	29	
HKRUSP	UFC autopilot pushbutton	013 00	29	31
HKSIDV	TACAN identification valid	013 00	29	44
		016 00	2	16
HKTCXY	TACAN Y mode	016 00	2	
HKTM∅D	TACAN operating mode	016 00	2	
HKTCHN	TACAN channel	013 00	29	
		016 00	2	
HKTC∅N	TACAN on	013 00	29	10
		016 00	2	11
HKTCXY	TACAN Y mode	013 00	29	
HKTM∅D	TACAN operating mode	013 00	29	
HKUDCH	UFC data change code	013 00	29	32,33,34,35, 36,55,57,58, 59,60,61,62, 63,64,65,66, 67
HKUM∅D	UFC mode code	010 00	22	22
		013 00	29	29,32,33,34, 35,36,37,38, 54,55,56
HLACPE	Error accepted	007 00	79	31,79
		013 00	19	
HLAEGD	Attitude hold engaged	013 00	32,39	
HLATTR	Attitude hold mode engage request	013 00	32	32
HLBALR	Barometric altitude hold engage request	013 00	34	34
HLBEGD	Barometric altitude hold engaged	013 00	4,34,39	4
HLBLKF	Block found	013 00	78,84	78
HLBRZT	Block/Row/Zone test flag	013 00	82,90	78,84
HLCADJ	Course adjusted	013 00	5	5
HLCPLE	Data link couple request	010 00	17,23	14,15,16,17
		013 00	36	
HLCRSS	Course selected	007 00		76
		013 00	5,7	9
HLCUPA	Couple available	013 00	37	37,38
HLCUPF	Couple first available	013 00	37	37

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
HLDALS	Data link steering	010 00	11,12	
		011 00		28
		013 00	15,21	15,17
HLDATM	Data mode	013 00	14,45,54	1,13,28,56, 76
HLDCEN	Decentered compass	013 00	74,75	9,27,45,79
HLDMJS	Data mode just selected	013 00	14,27	27
HLFACT	Format active	013 00	55	
HLFBIT	BIT format active (P/O HLFACT)	013 00		54,64
		014 00	2,9	
HLFCHK	Checklist format active (P/O HLFACT)	013 00		63
		014 00	1	
HLFHSI	HSI format active (P/O HLFACT)	013 00	40	58
HLFNAV	Nav data format active (P/O HLFACT)	013 00	45	59,60,61
HLFPMF	First pass map flag	013 00	74,78	78
HLGALN	Ground align	013 00	40,43	43
HLHDGR	Heading select mode engage request	013 00	33	33
HLHEGD	Heading select mode engaged	013 00	4,33	4
HLHHEG	Heading hold mode engaged	013 00	3,31	3
HLHHRQ	Heading hold mode engage request	013 00	3,31	3,31
HLH∅PT	Heading option	013 00	22,24,25	
HLILSS	ILS steering	010 00	31	
		011 00		27
		013 00	15,21	15,17
HLMANF	Manual align flag	013 00	22	22,42
HLMAPD	Nav data selected	013 00	74,75	45,61,75,76
HLMARK	Mark selected	007 00	78	78
		013 00	14	
HLMEMA	Memory inspect address changed	013 00	54,64	
		014 00		9
HLMEMD	Memory inspect data change	013 00	54	
HLN∅SS	Nav. offset selected	009 00		46
		013 00	21	
		016 00	2	
HL∅APU	Offset aimpoint undesignate	009 00		57
		013 00	21,27	
		016 00	2	
HL∅SF	Current waypoint offsets entered flag	009 00		2,22
		013 00	29	
HLPELL	Pilot entered latitude/longitude	007 00	79	79
		013 00	43	57

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
HLPEWD	Pilot entered wind data	007 00	36	36
		013 00	57	
HLPØSM	Position mode	013 00	14,20	13
HLRALR	Radar altitude hold mode engage request	013 00	35	35
HLREGD	Radar altitude hold mode engaged	013 00	4,35,39	4
HLREJE	Error rejected	007 00	31,79	31,79
		013 00	19	
HLSLEW	Slew map	013 00	14,18,19, 45,75	18,75
HLSLWL	Directional gyroscope slew left	007 00		14
		013 00	25	
HLSLWR	Directional gyroscope slew right	007 00		14
		013 00	25	
HLSYNC	Slave synchronize	007 00	15	15
		013 00	25	
HLTCNS	TACAN steering	007 00		72
		010 00	11	
		011 00		26,59
		013 00	15,18,21	5,15,17
HLTDCD	Target designator control was pressed	013 00	77,89	76
HLTTGV	TACAN time-to-go valid	007 00	73	
		013 00		44
HLUBØR	UFC blanking override	013 00	29,38,54	55
HLUMØD	UFC mode recognized	013 00	54	54
		015 00		113,116,150
HLWØSE	Waypoint offsets entered	010 00	3	
		013 00	29,60,88	21,29
HLWPCF	Weapon program change	013 00	29,66	
		015 00	94	94
HLWPTS	Waypoint steering	007 00		72
		009 00		2,56
		010 00	31	
		011 00		26,54
		013 00	17,21	5,21
		016 00	2	
HLWRBV	Waypoint range and bearing valid	007 00	72,74	
		009 00		46
		011 00		55
		013 00	2	5,10,44
		015 00		140
		016 00	2	

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
HLWRCV	Waypoints received	013 00	40,42	42
HLWTGV	Waypoint time-to-go valid	007 00	72,75	
		013 00		44
HLZØNC	Zone change flag	013 00	81,85,90	84
HMCTØP	Compass top modes map	013 00	75	27
HMDBSB	Distance between strips	013 00	84	81,84
HMFØLC	Film overlap counts	013 00		84
HMMHM1	Heading 1 mode	013 00	29	54,65
HMMHM2	Heading 2 mode	013 00	29	54,65
HMMRKN	Mark number table	013 00		14
HMMSDT	Strip delta table	013 00		84
		014 00	31	
HMMXSB	X start of block	013 00	84	81
HMMXST	X start table	013 00		84
		014 00	31	
HMNDPB	Masked nav data buttons	013 00	56	56
HMRAC1	Rotation angle constant	013 00	86	79
HMRAT1	Rotation angle table	013 00		86
HMRØWN	Map row number	013 00	82,84	81,82,86,90
HMSRLP	Map scale range last pass	013 00	78	78
HMWBRG	Map waypoint bearing	013 00	9	10,44
HMWNUM	Mascii waypoint number table	013 00		21,45
HMYLØD	Map Y length of data	013 00		53
HMYØØF	Map Y offset	013 00	79	79
HMYSØD	Map Y start of data	013 00		53
HNALNC	Align complete	013 00	2	41
HNALNH	Align hold	013 00	2	41,42
HNCALN	Carrier align	010 00		22
		013 00	2	22,40
HNFALN	Inflight align	013 00	2	22,40
HNGALN	Ground align	013 00	2	23,40
HNINAV	Buffered inertial navigation	010 00		22
HNØPTB	UFC option overrides - NUC	013 00	62	54,55
HNØPTS	Old UFC option overrides - NUC	013 00	55	62
HNSHDG	Stored heading available	013 00	2	22
HNSTHD	Stored heading selected	013 00	22,23	22
HPDTCL	Perpendicular to course line	013 00	7	7
HRØTTB	TACAN rotation bearing	013 00	10	10
		016 00	11	11
HSACAS	Rotatable aircraft symbol	013 00		9
HSACVE	Magnetic variation estimate cue	013 00		52
HSACWE	Display aircraft background/wind estimate cue	013 00		14,45,52

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
HSALND	Display CV align data	013 00		42
HSALNØ	Display align OK	013 00		41
HSBACL	Remove course line	013 00		9
HSBACP	Display ACPT REJ	013 00		18
HSBAWH	Remove waypoint HSD symbol	013 00		45
HSBEND	Remove bottom keys	013 00		23
HSBERC	Display failure keys	013 00		22
HSBGND	Display ground align background	013 00		43
HSBLSØ	Display land/sea options	013 00		26
HSBMAP	Display map data	013 00		45
HSBNØA	Display NO ATT	013 00		41
HSBPØS	Display position options	013 00		20
HSBRWD	Remove digital waypoint data	013 00		44
HSBTAB	Remove align data from display	013 00		42
HSBTAC	Display align coordinates	013 00		42,43
HSBTCN	Display TACAN data	013 00		45
HSBTØD	Display data format	013 00		45
HSBUPD	Display update types	013 00		14
HSBWPT	Display waypoint data	013 00		45
HSCRSL	Display course line	013 00		9
HSDATA	Top data keys	013 00		45
HSEHSI	Display HSI format	013 00		40,45
HSINFA	Display RDR	013 00		40
HSLKEY	Display top EHSI key names	013 00		14,18,19,20
HSMANB	Display manual box	013 00		22
HSNØWP	Display NO WYPTS	013 00		42
HSNRDR	Display NO RDR	013 00		40
HSØKEY	Display offset key	013 00		21
HSØPTB	UFC option overrides (stores)	013 00		54,55,66
		015 00	75,84,87, 88,98	91
HSØPTS	Old UFC option overrides-stores	013 00	55	55,66
HSSITE	Remove align coordinates	013 00		40,42
HSSLEW	Saved slew select	013 00	75	
HSSTDB	Display stored heading box	013 00		22
HSSTDK	Display stored heading key	013 00		22,23
HSTCND	Display TACAN data	013 00		45
HSTCNR	Display digital TACAN range	013 00		44
HSUTMF	Display UTM FAIL	013 00		71
HSVSIT	Display vector symbol	013 00		11
HSWBDC	Pushbutton buffer	013 00	27,55	
HSWBUF	Pushbutton buffer-HSI	013 00	27,55	45,47,48, 50,56

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
HSWBØX	Display waypoint/target box	013 00		21
HSWPTR	Waypoint range/bearing enable	013 00		44
HSWSLW	Display waypoint HSD - symbol	013 00		45
HTBHGT	Nuclear altitude	013 00	62	
HTØPTB	UFC option overrides	013 00		54,55,67
		015 00	76,122, 127,150	
HTØPTS	Old UFC option overrides	013 00	55	55,67
HUDATE	Date for HUD titling	005 00		16,21
		011 00		60
		013 00	63	
HUFLTN	Flight number for HUD titling	005 00		16,21
		011 00		60
		013 00	63	
HUIDNT	Identification for HUD titling	005 00		16,21
		011 00		60
		013 00	63	
HVECRA	Vector offset rotation angle	013 00	11	11
HVECX1	Vector offset X point	013 00	11	11
HVECX2	Vector offset X end point	013 00	11	11
HVECY1	Vector offset Y point	013 00	11	11
HVECY2	Vector offset Y end point	013 00	11	11
HWALT	Current waypoint altitude	009 00		10
		013 00	29	
HWDELA	Waypoint delta altitude	010 00	3	
		013 00	60	29
HWGRET	Gun reticle	008 00		18
		011 00		106
		013 00	66	
		015 00		97
HWPINT	UFC program interval	013 00	66	
		015 00		94
HWPMLT	UFC program multiple	013 00	66	
		015 00		94
HWPQTY	UFC program quantity	013 00	66	
		015 00		94
HWPRET	UFC program reticle	013 00	66	
		015 00		94
HWPTCA	Program terrain clearance altitude	009 00		63
		013 00	66	
		015 00	97	
HXCØCL	X center of course line	013 00	7	7
HXTLFC	X tail length from center	013 00	7	7

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
HYCØCL	Y center of course line	013 00	7	7
HYTLFC	Y tail length from center	013 00	7	7
JLHARM	HARM cue flag	017 00	6	
JLHUNG	Hung display flag	011 00		56
		017 00	6	
JLPLBK	Pullback cue flag	017 00	6	
JLSTEP	Step button flag	017 00	6	8
JLTVWP	TV weapon button flag	017 00	6	
LCØNV1	Offset range conversion	010 00		9
LHAHDG	Attack heading	010 00	9	
		013 00		11
LHATRE	Aircraft to target range east	010 00		7
LHATRN	Aircraft to target range north	010 00		7
LHAZMT	Target bearing from north	010 00	9	7
		015 00		5
LHCALT	Command altitude	010 00		8,10
		011 00		111
		013 00		70
		015 00		68
LHCMAS	Command airspeed	010 00		10
		011 00		110
		013 00		70
LHDIZT	Display discrete code	010 00	6,10	6,8,11,12
		016 00	10	10
LHLGSE	Lateral glideslope error	010 00		10
		011 00		28
LHMACH	Command mach number	010 00	8	9
		015 00		68
LHMSGT	Message label	010 00	2	2,4,5,10, 11,12,13
LHMVSE	Airmass velocity east	010 00	7	
LHMVSN	Airmass velocity north	010 00	7	
LHRDCN	Command rate of descent	010 00		10
		013 00		70
LHSUBT	Unpacked message sublabel	010 00	3	3
LHTALT	Target altitude	010 00	6,8	
		015 00		4
LHTGDZ	Target discrete	010 00		6,7
LHTM2A	Group 2A discrete timer	010 00	8,12,20	20
LHTM2B	Group 2B discrete timer	010 00	8,12,20	20
LHTM2C	Group 2C discrete timer	010 00	8,11,12, 20	20
		016 00	8,10	8

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
LHTRAK	Target track number	010 00	5,6,7,8, 10,23,25	6,7
		015 00	3	
LHTRKT	Temporary target track number	010 00	6	6,7
LHTTG∅	Time to go	010 00	9,12	9
		011 00		107
		015 00		67
LHVGSE	Vertical glideslope error	010 00		10
		011 00		28
LHWPN∅	Received waypoint number	010 00	3	3
LHWPNS	Saved waypoint number value	010 00	3,23	3
LICALN	Saved INS CV align status	010 00	22,23	22
LICPCN	Couple condition discrete	010 00	1,14,15, 23	16,18
LICPLT	Couple request timer	010 00	16,18,23	18
LICPRQ	Couple request discrete	010 00	16,18	19
LIDLAV	PCD N/A advisories	005 00		34
		010 00	1,13,23, 24,28	
LIDLMS	Saved data link mode	010 00	25,27,31	21,24,25, 27,30,31
		016 00	8	8
LIDLW1	HUD window 1 discrete	010 00	5,11,12, 23,25,27, 31	12,25,27, 31
		011 00		47
		016 00	8,10	
LIDLW2	HUD window 4 discrete	010 00	11,23,26, 33,34	34
		011 00	48	48
		013 00		37
		016 00	8,10	
LIDLW3	HUD window 6 discrete	010 00	17,23,26, 27,30,34	26,30,34
		011 00	49	49
		016 00	2	
LIDLW4	HUD window 7 discrete	010 00	23,26,30	
		011 00		50
		016 00	2	
LIDLW5	HUD window 8 discrete	010 00	23,26,30	
		011 00		51
		016 00	2	

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
LIDLW6	CMD CHG cue	010 00	23,26,30	
		011 00		112
		016 00	2	
LIDLW7	VOICE cue	010 00	23,26,30	
		011 00		112
		016 00	2	
LIDLW8	BCN DUB cue	010 00	23,26,30	
		011 00		112
		016 00	2	
LIFCPL	FCES couple state last pass	010 00	1	16
LIFLS2	HUD window 4 flash flag	010 00	11,23,26, 33,34	
		016 00	2	
LIFLS3	HUD window 6 flash flag	010 00	17,23,26, 30	
		011 00	49	49
LIGP2A	Group 2A message discrete	010 00	20,23,26	8,11,12, 30
		015 00		68
LIGP2B	Group 2B message discrete	010 00	20,23,26	8,11,12, 30
		015 00		68
LIGP2C	Group 2C message discrete	010 00	20,23,26	8,11,12, 14,30,34
		013 00		71,72
		015 00		67
LIGRP1	Group 1 message discrete	010 00	23,26	11,12,14,30, 34
		013 00		71,72
LILPCN	Counter for target tracks	010 00	6,7	6,7
LIMD2S	Saved value of MMD window 2	010 00	33	33
LIMFD1	Data link MFD window 1 discrete	010 00	7,23,25, 26	7,8,25
		015 00		67
LIMMD2	ACL MMD window 2 discrete	010 00	23,26,33, 34	33
		013 00		37,71,72
LIMMD4	ACL MMD window 4 discrete	010 00	23,31,32	14,33
		013 00		71
LINDEX	Target track index	010 00	6	6,7
LINDXS	Priority target index	010 00	7	
		015 00		4

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
LIPCAV	Data link PCD advisories	005 00		34
		010 00	23,25,29	15,30
LIPMRY	Primary target category	010 00	6	
LIPNTR	Buffer pointer for message unloader	010 00	1,23	1,2,3,6, 7,8,9,10, 12
LITM06	Message 6 timer	010 00	11,12,20, 23	20,28
LIUNCT	Uncouple timer	010 00	16,17,18, 23	16,17
LIUNDL	ACL MMD underline	010 00	11,23,26, 33	
		013 00		72
LIUTTM	UTM timer	010 00	13,21,23, 24	1,24
LIWPTN	Waypoint validity	010 00	3,4,23	3,22
		013 00		42
LIXPNT	Buffer pointer for message loader	010 00	23	1
LKLDL1	Data link data word 1	010 00	35	3,4,6,7, 8,9,10,13
		016 00		10
LKLDL2	Data link data word 2	010 00	35	3,4,6,7, 8,9,10,12, 13
		016 00		10
LKLDL3	Data link data word 3	010 00	35	4,6,8, 10,13
		016 00		10
LKLDML	Buffered in message label word	010 00	35	2
LKLRBC	Data link internal beacon status command	010 00	10,12,21	21
LKRBØN	Data link internal beacon on command	010 00	12,21	21
LKRSBY	Data link internal beacon standby command	010 00	10,12,21	21
LLAHDH	Request heading hold flag	010 00	16,23,28	
		013 00		31
LLASCL	Altitude scaling flag	010 00		10
		011 00		111
		013 00		70
		015 00		68

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
LLAUTO	Auto/manual autopilot flag	010 00		10,14,15,30, 33
LLBTIN	Auto BIT initiate flag	004 00		9,27
		010 00	23,25,28	
		016 00		8
LLBTRS	BIT result received flag	010 00	23,25,28	27,28,31
LLCRQ∅	Couple request last pass only	010 00	16,18,23	16
LLDR∅P	Drop discrete	010 00	12	
		011 00		112
LLDRPD	Temporary drop discrete value	010 00	35	35
LLDSNG	Disengage discrete flag	010 00	7,8,10, 23	5
LLFRST	Data link first pass flag	010 00	22,23	22
LLGAGE	Engagement status	010 00	6	
LLHHEN	Heading hold engaged flag	010 00	23,25,27, 28,31	28,29,32
LLRSZE	Raid size	010 00	6	
LLTSCL	Time-to-go scaling flag	010 00	9	9
LLUTMR	UTM message received flag	010 00	21,23	24
LLUTMT	UTM test result display flag	010 00	1,2,13,23, 24,28	29,32
		013 00		71
LLUTRS	UTM result received flag	010 00	23,25,28	24,27,28, 31
LLVD03	Data link message 3 validity	010 00	5,6,8, 10,23,25	
		013 00		11
		015 00		3,67
LLVD05	Data link message 5 validity	010 00	5,10,11, 23,25	14,32,33
		011 00		15
		013 00		37,69,72
		016 00	2	
LLVD06	Data link message 6 validity	010 00	2,5,10,11, 23,2٥	11,14,18, 32,33
		011 00		28
		013 00		37
LLVD09	Data link message 9 validity	010 00	5,6,8,9, 10,23,25	
		013 00		11
		015 00		3,67

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
LLVD18	Data link message 18 validity	009 00		2
		010 00	2,5,10,12, 23,25	12,15,18, 30
		011 00		112
		013 00		37
		016 00	2	
LLVD19	Data link message 19 validity	009 00		2
		010 00	5,10,12, 23,25	15,30
		011 00		15,107,110, 111
		013 00		37
		016 00	2	
LLWFFT	Unacked waveoff bit	010 00		11,12
		016 00	10	10
LLWØFF	Waveoff	010 00	11,23	14
		011 00	58	58
		016 00	10	
LMSGLB	Temporary message label value	010 00	35	35
LMSKØ1	Data link mask 01	010 00		35
LMSKØ2	Data link mask 02	010 00		3
LMSKØ3	Data link mask 03	010 00		3
LMSKØ4	Data link mask 04	010 00		3
LMSKØ5	Data link mask 05	010 00		8,10
LMSKØ6	Data link mask 06	010 00		3
LMSKØ7	Data link mask 07	010 00		8,9,10
LMSKØ8	Data link mask 08	010 00		9,10
LMSKØ9	Data link mask 09	010 00		9,10,35
		016 00		10
LMSK10	Data link mask 10	010 00		6,8,10
LMSK11	Data link mask 11	010 00		6,8,10
		016 00		10
LMSK12	Data link mask 12	010 00		6,8,10
		016 00		10
LMSK13	Data link mask 13	010 00		7,10
LMSK15	Data link mask 15	010 00		7,10
LMSK16	Data link mask 16	010 00		12
LMSK17	Data link mask 17	010 00		6
LMSK18	Data link mask 18	010 00		6
LMSK19	Data link mask 19	010 00		9,35
LMSK20	Data link mask 20	010 00		4
LMSK21	Data link mask 21	010 00		4
LMSK22	Data link mask 22	010 00		4

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
LMSK23	Data link mask 23	010 00		4,6
LMSK24	Data link mask 24	010 00		4
LMSK25	Data link mask 25	010 00		4
LMSK26	Data link mask 26	010 00		13
LMSK27	Data link mask 27	010 00		13
LMSK28	Data link mask 28	010 00		13
LMSK29	Data link mask 29	010 00		13
LMSK30	Data link mask 30	010 00		13
LMSK31	Data link mask 31	010 00		13
LMSK32	Data link mask 32	010 00		13
LMSK33	Data link mask 33	010 00		13
LMSK34	Data link mask 34	010 00		13
LMSK35	Data link mask 35	010 00		13
LMSK36	Data link mask 36	010 00		13
LMSK37	Data link mask 37	010 00		13
LMSK41	Data link mask 41	010 00		3
LØFFRN	Range to offset point	010 00	9	
		013 00		11
LRANGE	Slant range to target	010 00	7,9	
		015 00		5
LSCL01	Data link scale factor 01	010 00		3
LSCL02	Data link scale factor 02	010 00		3
LSCL03	Data link scale factor 03	010 00		10
LSCL04	Data link scale factor 04	010 00		10
LSCL05	Data link scale factor 05	010 00		10
LSCL06	Data link scale factor 06	010 00		10
LSCL07	Data link scale factor 07	010 00		10
LSCL09	Data link scale factor 09	010 00		10
LSCL10	Data link scale factor 10	010 00		10
LSCL11	Data link scale factor 11	010 00		7
LSCL12	Data link scale factor 12	010 00		7
LSCL13	Data link scale factor 13	010 00		7
LSCL14	Data link scale factor 14	010 00		7
LSCL15	Data link scale factor 15	010 00		8
LSCL17	Data link scale factor 17	010 00		8
LSCL18	Data link scale factor 18	010 00		8
LSCL19	Data link scale factor 19	010 00		9
LSCL20	Data link scale factor 20	010 00		9
LSCL21	Data link scale factor 21	010 00		9
LSCL22	Data link scale factor 22	010 00		9
LSCL24	Data link scale factor 24	010 00		12

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
NDALT	Aircraft altitude	005 00		2,11
		006 00		24
		007 00	43,44,45	11,42,43,44, 49,50,66,73, 74,78,81
		008 00		7,12,55
		009 00		2,10,84,88, 104,117
		016 00	6	15
NDALTD	Altitude delta	007 00	46	46
NDDAL∅	Change in aircraft longitude	007 00	49,50	49,50
NDDALT	Change in aircraft latitude	007 00	49,50	49,50
NDDTLA	TACAN delta latitude	007 00	62,69,71	60,80
NDDTL∅	TACAN delta longitude	007 00	62,69,71	60,80
NDHDGC	AHRS heading correction	007 00	9,11,14,15	11,14,15
NDLAT	Aircraft latitude	007 00	48,49,50 60,79	11,47,49,50, 60,62,64,66, 69,71,74,78, 79,81,82,83
		009 00		2
		013 00		52,57, 77,89
		016 00	6	15
NDL∅N	Aircraft longitude	007 00	48,49,50, 60,79	47,49,50,60, 62,64,66,69, 71,74,78,79, 81,82,83
		013 00		52,57,77,89
		016 00	6	6,15
NDL∅ND	Rate of change of aircraft longitude	007 00	11	11
NDMVAR	Magnetic variation	013 00	57	
		016 00	4	4
NDPALT	Pressure altitude	007 00	43,44,45	44,46
NDPELN	Position update longitude error	007 00	79,80,81, 82,83	79
NDPELT	Position update latitude error	007 00	79,80,81, 83	79
NDPULN	Position update longitude	007 00	81	81
NDPULT	Position update latitude	007 00	81	81
NDTCLA	Aircraft latitude	007 00	64,69,71	64,70,71
NDTCL∅	Aircraft longitude	007 00	64,69,71	64,70,71
NDTLAD	Change in latitude	007 00	64	64

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
NDTLAE	TACAN latitude error	007 00	66	69
NDTLAG	TACAN latitude convergence estimate	007 00	62,66,70	66
NDTL∅D	Change in longitude	007 00	64	64
NDTL∅E	TACAN longitude error	007 00	66	69
NDTL∅G	TACAN longitude convergence estimate	007 00	62,66,70	66
NDTRF	Filtered TACAN range	007 00	66,67	66,67
NDTRG	Ground range	007 00	66	66,69,70,71
NDTRGT	TACAN ground range	007 00	73	73
NDTRST	TACAN slant range	007 00	65,73	66,67,73
NDT1AL	TACAN station altitude	007 00	63	66,70
NDT1LA	TACAN station latitude	007 00	63	66,70,71
NDT1L∅	TACAN station longitude	007 00	63	66,70,71
NDT2LA	Latitude of TACAN station number 2	007 00	64,70	64,71
NDT2L∅	Longitude of TACAN station number 2	007 00	64,70	64,71
NDT2RG	Ground range of TACAN station number 2	007 00	70	71
NDVERE	Velocity correction east	007 00	23,29,33	23,24,31
NDVERN	Velocity correction north	007 00	23,29,33	23,24,31
NDVERV	Velocity correction vertical	007 00	23,29,33	23,25
NDWNDE	East/west wind component	005 00		2
		007 00	22,29,33,36	22,24,29,33,36,38
		008 00		19
		009 00		89,91
NDWNDN	North/south wind component	005 00		2
		007 00	22,29,33,36	22,24,29,33,36,38
		008 00		19
		009 00		89,91
NDWNDV	Vertical wind component	005 00		2
		007 00	22,24,29,33,36	22,36,38
		008 00		19
NDWPRD	Waypoint range down	007 00	74	74
		009 00		9
NDWPRE	Waypoint range east	007 00	74	
		009 00		9
NDWPRG	Waypoint range	007 00	74	74,75
		009 00		46

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
NDWPRN	Waypoint range north	007 00	74	
		009 00		9
NHACLN	Aircraft longitudinal acceleration	005 00		47
		007 00	4	56
		008 00		44
		009 00		62
		016 00	4	
NHACLT	Aircraft lateral acceleration	007 00	4	56
		008 00		18,44
		009 00		62
		016 00	4	
NHACMH	Aircraft magnetic heading	007 00	9,13,14,15	9,13,14,15
		011 00		14,15,40
		013 00		9,44,79
		016 00	4	4,11
NHACNM	Aircraft normal acceleration	005 00	11,13	13,47,52
		007 00	4	4,5,56
		006 00		15,24
		008 00		17,18,37,39, 44
		009 00		62
		011 00		43,44
		016 00	4	
		017 00		4
NHACPA	Aircraft pitch attitude	007 00	16	8,13,17,18, 41,55
		011 00		6,11,13
		013 00		73
		016 00	4	4
NHACRA	Aircraft roll attitude	007 00	16	8,13,17,18, 55
		009 00		62
		011 00		6,11,13,22
		013 00		73
		015 00		10,134
		016 00	4	4
NHACTH	Aircraft true heading	007 00	9,13,14,15	9,17,18,40, 56
		008 00		9,11
		015 00		5
		016 00	4	4,5
NHADRA	A/A gun air density ratio	016 00	4	

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
NHADRT	Air density ratio	007 00	5	5
		009 00		84
		016 00	4	
NHAⵁA	Aircraft angle of attack	006 00		24
		007 00	21	20
		008 00		7,16,18,26, 43
		009 00		104
		016 00	5	
NHASH	Airmass heading	007 00	38	
NHAT	Align time	007 00	32,33,35	32,35
NHBEM	Earth-to-body matrix	007 00	17	20,39,56
		008 00		9,11,15,17, 19,24
		009 00		14,18,24,25, 26,55,62,65, 77,118,119, 121
		011 00		6
		016 00	4	5
NHBHM	Horizontal-to-body matrix	007 00	17	17
NHBHPM	Horizontal-to-platform case matrix	007 00	17	17
		016 00	4	4
NHBRTP	Aircraft body rate pitch	007 00	6,41	6,13,54
		008 00		17
		009 00		62,118,121
		011 00		6
		013 00		73
		016 00	4	
NHBRTR	Aircraft body rate roll	005 00	11	
		007 00	6	6,54
		008 00		17
		009 00		62,118,121
		011 00		9
		013 00		73
		015 00		10,134
		016 00	4	
NHBRTY	Aircraft body rate yaw	007 00	6	6,13,54
		008 00		17
		009 00		62,118,121
		013 00		73
		016 00	4	
NHDEV	Steering deviation	007 00	51	51

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
NHDEVP	Deviation to/from condition	007 00	51	51
NHDRFT	Drift angle	007 00	40,41	40
		011 00		6
		013 00		9,79
		016 00	5	5
NHFBM	Body-to-FLIR matrix	007 00	17	
NHFLX	Flexture table	007 00	5	17,21,53
		016 00	2	
NHFPA	Flight path angle	007 00	40,41	40
		009 00		64,85,100,101, 112,114,115, 116
		011 00		6,82
		015 00		10,134
		016 00	5	5
NHFAMA	Airmass flight path	007 00	38	
NHGMAG	Magnetic heading gain	016 00		4
NHGNDS	Aircraft ground speed	007 00	40	40
		008 00		42
		009 00	2	24,66,72,92, 96,97,112
		016 00	5	5
NHGNDT	Ground track	007 00	40	40,51
		009 00		3,40,56,61, 97
		015 00		143
		016 00		5
NHGSD	Ground speed display	007 00	40	41
		013 00		44
NHHDEL	Heading delta	007 00	15	15
NHHEM	Earth-to-horizontal matrix	007 00	17	17
		016 00	4	4,5
NHLBM	Body-to-LST matrix	007 00	17	
NHMC	Steering course desired	007 00	76,77	51
NHMVAR	Magnetic variation	007 00	9	9,13,14,15, 76
		013 00		9,52
		016 00		4
NHMVRG	Magnetic variation gain	016 00		4
NHMWA	Magnetic wander azimuth	007 00	9	14,15
NHNA⌀A	Nominal AOA	016 00		5
NHNVSB	Navigation steering symbol position	007 00	51	
		011 00		26

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
NHØRØL	Aircraft outer roll attitude	005 00	2	
NHPF	INS platform flexure matrix	007 00	17	17
		008 00		17
NHPHDG	Platform heading	007 00	12	14,15
NHPPED	Present position error direction	007 00	31,79	
		013 00		19
NHPPEM	Present position error magnitude	007 00	31,79	
		013 00		19
NHPTCH	Aircraft pitch attitude	005 00	2	
NHRMØD	Previous radar mode	007 00	31,35	31,33
NHSLRT	Commanded slew	007 00	14	14
NHSRØT	Steering symbol rotation	007 00	51	
		011 00		26
NHST	Steering angle flown	007 00	76,77	51
NHTAS	Aircraft airspeed	007 00	22	5,20,22,73, 75
		008 00		7,55
		009 00		64,104,112, 116
		016 00	5	5
NHTASK	True airspeed constant	016 00		5
NHT1MV	TACAN station magnetic variation	007 00	63	66,67
NHUDB	Body-to-HUD matrix	007 00	17	
		008 00		24
		009 00		18,24,26,76, 77,106,119
		011 00		7,32,70,75, 77
		017 00		6
NHVAX	X body component of true airspeed	016 00		5
NHVAY	Y body component of true airspeed	016 00		5
NHVAZ	Z body component of true airspeed	016 00		5
NHVEA	East/west component of true airspeed	007 00	20	24,36,38
		016 00	5	
NHVEAS	Smoothed airmass velocity east	007 00	38	38
NHVELE	Aircraft east/west velocity	005 00		2
		007 00	24,30	11,22,30,33, 34,36,38,39, 40,49,50,56, 66
		009 00		2,17,24,62, 91,96,100
		016 00	5	5

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
NHVELN	Aircraft north/south velocity	005 00		2
		007 00	24,30	22,30,33,34, 36,38,39,40, 49,50,56,66
		009 00		2,17,24,62, 91,96,100, 121
		016 00	5	5
NHVELV	Aircraft vertical velocity	005 00		2
		007 00	25,30	22,30,33,34, 36,38,39,40, 56
		009 00		17,24,62,64, 71,72,80,82, 112,116
		016 00	5	5
NHVIX	Inertial velocity-body X	007 00	39,41	
		011 00		6,7
		016 00	5	
NHVIY	Inertial velocity-body Y	007 00	39,41	
		011 00		6,7
		016 00	5	
NHVIZ	Inertial velocity-body Z	007 00	39,41	
		011 00		6
		016 00	5	
NHVMØD	Velocity mode	007 00	24,30	29,33,34,38
NHVNA	North/south component of true airspeed	007 00	20	24,36,38
		016 00	5	
NHVNAS	Smoothed airmass velocity north	007 00	38	38
NHVVA	Vertical component of true airspeed	007 00	20	25,36,38
		016 00	5	
NHVVAS	Smoothed airmass velocity vertical	007 00	38	38
NHWNDD	Wind direction	007 00	36	36,73,75
		013 00		52,57
NHWNDM	Wind magnitude	007 00	36	36,73,75
		013 00		52,57

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
NIACMM	Aircraft master mode	005 00		2
		007 00	2	5,21,26,72
		008 00		1,2,4,7,13, 14,16,18
		009 00		1,2,28,56, 104,119,122, 123
		010 00		5,11,12, 25,27,31, 35
		011 00		1,6,9,35,54, 65,96,98
		012 00		51,52,53,57, 58,63
		013 00		16
		014 00	1	
		015 00		13,21,28,38, 39,48,57,62, 74,77,105,141
		016 00		8,10
		017 00	3	3,6
NIPØST	Navigation position source	007 00	48,49,60	
		013 00		9,14,15,59, 68
NITACY	TACAN accuracy indicator	007 00	62,69,71	80
NITCVG	TACAN convergence counter	007 00	62,71	71
NITSC	TACAN station counter	007 00	62,68	68
NITTCC	TACAN table cycle counter	007 00	61,62,68, 80	68
NLAAAV	True angle of attack valid	007 00	2	21,58
		011 00		7
		016 00	2	5
NLAAMT	Ambient temperature valid	007 00	2	58
		016 00	2	
NLAARV	Altitude rate valid	007 00	2	
		011 00		57
		016 00	2	
NLAASV	True airspeed valid	007 00	2	20,22,25,58
		016 00	2	5
NLAATV	AHRS attitude valid	007 00	2,3	3,16,53,55
		013 00		41
		016 00	2	4

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
NLABAV	Barometric corrected altitude valid	007 00	2	45
		011 00		39,45
		016 00	2	6
NLABPS	Barometric pressure setting valid	007 00	2	
		011 00		45
NLACAU	Attitude caution flag	005 00		33
		007 00	3	16
NLACCV	Body reference acceleration valid	005 00		47
		006 00		15
		007 00	4	56
		008 00		44
		009 00		62
		011 00		44
		016 00	4	
NLADAA	Display angle of attack valid	007 00	2	
		011 00		21,41
		016 00	2	
NLADRV	Air density ratio valid	007 00	2	5
		009 00		84
		016 00	2	4
NLAHØP	AHRS hardware operation	007 00	2	53
		016 00	2	
NLAIAS	Indicated airspeed valid	007 00	2	
		011 00		37,45
		016 00	2	
NLAIIP	Indicated impact pressure valid	007 00	2	58
		016 00	2	
NLAISP	Indicated static pressure valid	007 00	2	58
		016 00	2	
NLALAA	Local angle of attack valid	007 00	2	58
		016 00	2	
NLALLA	Left local angle of attack valid	007 00	2	
NLALSS	Local sideslip valid	007 00	2	
NLALTS	Transonic indicator	007 00	46	46
NLALTV	Aircraft altitude valid	007 00	43,44,45	42
		008 00		10,12
		009 00		10
		013 00		44
		016 00	6	16
NLAMHV	MAD heading valid	007 00	2	8,10,13
		016 00	2	4

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
NLAMN∅	Mach number valid	007 00	2	46,58
		009 00		86
		011 00		42
		015 00		144
		016 00	2	
NLAMVV	Airmass velocity valid	007 00	20	24
NLA∅A	Angle of attack valid	007 00	21	25
NLAPBS	Parking brake set	007 00	2	53
		016 00	2	
NLAPHV	AHRS platform heading valid	007 00	2	12,53,56
		016 00	2	
NLAPRI	Impact pressure valid	007 00	2	58
		016 00	2	
NLAPRS	Static pressure valid	006 00		13,17,21
		007 00	2	58
		016 00	2	
NLAPRT	Total pressure valid	007 00	2	
NLAPRV	Pressure altitude valid	007 00	2	42
		016 00	2	6
NLARLA	Right local angle of attack valid	007 00	2	
NLASPC	Static pressure corrected valid	007 00	2	
NLASSV	True sideslip valid	007 00	2	
NLATAC	True angle of attack corrected valid	007 00	2	
NLAT∅T	Total temperature valid	007 00	2	
NLATPC	Total pressure corrected valid	007 00	2	
NLATSC	True side slip corrected valid	007 00	2	
NLATTV	Aircraft attitude valid	007 00	16	8,17,18,25, 30,55
		008 00		23
		011 00		13,22
		013 00		73
		015 00		10,134
		016 00	4	4
NLAUSL	Unsafe landing valid	007 00	2	
NLBEMV	Earth-to-body matrix valid	007 00	17	39
		008 00		13
		009 00		62
		016 00	4	
NLBHMV	Horizontal-to-body matrix valid	007 00	17	
NLBRTV	Body rate valid	007 00	6	13,54
		013 00		73
		015 00		10,134

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
NLDRFT	Drift valid	007 00	40	
NLFALV	FCES local angle of attack valid	007 00	2	
NLFATV	FCES true angle of attack valid	007 00	2	21
NLFDØK	FCES discrete data valid	007 00	2	2
NLFILV	Inboard leading edge flap position valid	007 00	2	57
NLFI1V	FCES impact pressure valid	007 00	2	
NLFI2V	FCES indicated impact pressure valid	007 00	2	
NLFLAV	FCES lateral acceleration valid	007 00	2	4
NLFLLV	Left power lever angle valid	006 00		17,21
		007 00	2	
NLFLØV	Left outboard leading edge flap position valid	007 00	2	
NLFLTV	Left trailing edge flap position valid	007 00	2	57
NLFNAV	FCES normal acceleration valid	007 00	2	4
NLFNWV	Nose wheel steering position valid	007 00	2	
NLFPAV	Flight path angle valid	007 00	40	
		015 00		10,134
		016 00	5	
NLFPRV	FCES pitch rate valid	007 00	2	6
NLFPSV	FCES longitudinal stick force valid	007 00	2	
NLFRLV	Right power lever angle valid	006 00		17,21
		007 00	2	
NLFRØV	Right outboard leading edge flap position valid	007 00	2	
NLFRPV	FCES rudder force valid	007 00	2	
NLFRRV	FCES roll rate valid	007 00	2	6
NLFRSV	FCES lateral stick force valid	007 00	2	
NLFRTV	Right trailing edge flap position valid	007 00	2	
NLFSLV	Left stabilizer position valid	007 00	2	
		014 00		1
NLFSPV	Stabilizer pitch position valid	007 00	2	
NLFSRV	Right stabilizer position valid	007 00	2	
		014 00		1
NLFS1V	FCES static pressure valid	007 00	2	42
NLFS2V	FCES indicated static pressure valid	007 00	2	
NLFVLA	Left aileron position valid	007 00	2	
NLFVLR	Left rudder position valid	007 00	2	

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
NLFVRA	Right aileron position valid	007 00	2	
NLFVRR	Right rudder position valid	007 00	2	
NLFYRV	FCES yaw rate valid	007 00	2	6
NLGSV	Aircraft ground speed valid	007 00	40	
		013 00		44
		016 00	5	
NLGTV	Ground track valid	007 00	40	
		015 00		73
		016 00	5	
NLHEMV	Earth-to-horizontal matrix valid	007 00	17	
NLIACV	INS horizontal acceleration valid	007 00	2	8,58
		016 00	2	
NLIALV	INS altitude valid	007 00	2,3	16,46
		016 00	2	
NLIATV	INS attitude valid	007 00	3	16
		016 00	2	4
NLIBRV	INS body rate valid	007 00	2	6
		016 00	2	4
NLIHVV	INS horizontal velocity valid	007 00	2	22,24,49
		011 00		7,8
		016 00	2	5
NLILAV	INS load factor acceleration valid	007 00	2	4
		016 00	2	4
NLIPHV	INS platform heading valid	007 00	2	12
		016 00	2	
NLIPPV	INS present position valid	007 00	2	48
		016 00	2	6
NLISDF	Set data link to ship inertial navigation system frequency	007 00	2	
		010 00		22
		016 00	2	
NLISHD	Stored heading available	007 00	2	
		016 00	2	
NLISIN	Ship inertial navigation system data valid	007 00	2	
		013 00		42
		016 00	2	
NLITHV	INS true heading valid	007 00	2	7
		016 00	2	4
NLIVVV	INS vertical velocity valid	007 00	2	25
		011 00		7,8
		016 00	2	5
NLKPV	Attitude reference indicator pitch valid	007 00	2,3	16
		016 00	2	

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
NLKRAV	Radar altitude valid	007 00	2	43,53,58
		009 00		10
		016 00	2	
NLKRV	Attitude reference indicator roll valid	007 00	2,3	16
		016 00	2	
NLLNLV	Aircraft latitude/longitude valid	007 00	48,49,50, 60	11,72,81,82, 83
		013 00		52,77
		016 00	6	15
NLMDVF	MAD data valid	007 00	8	9,13,15
		016 00	4	4
NLMHDV	Aircraft magnetic heading valid	007 00	9,13,14,15	
		011 00		14,40
		013 00		9,27,44,75
		016 00	4	11
NLMNØV	Aircraft mach number valid	015 00		63
NLMVEF	Magnetic variation entry flag	007 00	7,8,9	
		013 00		52,57
NLNSBV	Navigation vertical steering bar valid	007 00	72,76,77	51
		011 00		26
NLPACV	INS horizontal acceleration valid	007 00	2	53,56
		016 00	2	
NLPATV	Platform attitude valid	005 00		33
		007 00	16	17,39
NLPBRV	INS body rate valid	007 00	2	53,54
		016 00	2	
NLPBST	Parking brake set	007 00	2	
		016 00	2	
NLPHVF	Platform heading valid	007 00	12	10
NLPHVV	INS horizontal velocity valid	007 00	2	53,56
		016 00	2	
NLPPU	First pass position update	007 00	79,80,83	79,80
NLPSHM	INS stored heading mode	007 00	2	
		013 00		22,23
		016 00	2	
NLPUDS	Update last pass flag	007 00	79	79
NLPVAV	INS vertical acceleration valid	007 00	2	
		016 00	2	
NLPVVV	INS vertical velocity valid	007 00	2	56
		016 00	2	
NLSYNF	SYNC flash flag	007 00	15	

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
NLTBRV	TACAN bearing valid	007 00	2	65,66,67,73, 77
		013 00		5,10,44
		016 00	2	11,16
NLTDIP	TACAN processing first pass	007 00	63,65,66	65,66
NLTHDV	True heading valid	007 00	9,13,14,15	17,18,20,30, 56
		015 00		3
		016 00	4	3,4
NLTLØ	TACAN lock-on valid	007 00	65	61
NLTØNE	TACAN one station flag	007 00	61,62	61,69
NLTPPA	TACAN delta available	007 00	61,62,68, 80	50,60,80
NLTPPV	TACAN delta valid	007 00	61,69,71	60
NLTRCF	TACAN data changed flag	007 00	66,67	66
NLTRNV	TACAN range valid	007 00	2	65,73
		011 00		59
		013 00		5,10,44
		016 00	2	16
NLUPDV	Update error valid	007 00	31,79,80, 81,82,83	
		013 00		19
NLVACV	INS vertical acceleration valid	007 00	2	
		016 00	2	
NLVELV	Aircraft horizontal velocity valid	007 00	24,30	11,28,31,39, 40,49,50,56, 60,61,65,66, 73,75,76,77
		009 00		48
		013 00		9,27,75
		016 00	5	5
NLVVEC	Velocity vector valid	007 00	39	
		011 00		6,7
		015 00		10
		016 00	5	
NLVVVF	Vertical velocity valid	007 00	25,30	39,40,56
		016 00	5	5
NLWEF	Wind entry flag	007 00	20,24	36
		013 00		52,57
NLWØNW	Weight on wheels	007 00	2	9,41
		010 00		23
NRDRMD	NAV radar mode request	016 00	2	
NTBRF	Filtered TACAN bearing	007 00	66,67	66,67

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
NTBRGB	TACAN bearing	007 00	65,73	66,67,73
NTRANG	TACAN range	007 00	2	65,73
		011 00		59
		013 00		44
		016 00	2	16
NTRBRG	TACAN bearing	007 00	71	71
NTTGW	Wind component along bearing	007 00	73,75	73,75
NWPB	Waypoint bearing	007 00	74	74,75,76
PAAIRG	Air-to-ground tactical message code word	005 00	2	
PAFPS (1-7)	Peak sensor (1 through 7) code word	005 00	7,10,11	8,9,10,12
PAFVS (1-7)	Valley sensor (1 through 7) code word	005 00	7,11,12	8,9,10,12
PASTT0	Buffer 0 start address	005 00	16,21,24	16,50
PASTT1	Buffer 1 start address	005 00	16,21	16
PATAIR	Air-to-air tactical message code word	005 00	2	
PBSTD0	Aircraft tail number word 1	005 00		16,21,31
		006 00		25
		011 00		60
PBSTD1	Aircraft tail number word 2	005 00		16,21,31
		006 00		25
		011 00		60
PBSTD2	Boresight raw data HUD	005 00	31,32	32
PBSTD3	Boresight raw data FLIR	005 00	31,32	32
PBSTD4	Boresight raw data GUN	005 00	31,32	32
PBSTD5	5Boresight raw data LST	005 00	31,32	32
PBUFIN	Buffer index	005 00	24	
PCINIT	Initial fatigue monitor message	005 00		7
PDDL (1-7)	10 percent of design limit load sensors	005 00		7,9
PDPRET	Previous process time	005 00	8	
PDTIME	Process time	005 00	1,2,3,8, 10,11,12	
		006 00		24,25
PDT1MM	Present process time	005 00	8	
PEMPTY	MMP message table pointer	005 00	14	14
PENDFL	End of flight message	005 00	16	16
PESTEL	Left engine tank 4 empty status	005 00	48	48
PESTER	Right engine tank 4 empty status	005 00	48	48
PFFST	Initial strain sensor 3	005 00	7	10,12

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
PFLYAW	FLIR YAW boresight	005 00 007 00	32	17
PFPTCH	FLIR pitch boresight	005 00 007 00	32	17
PFRØLL	FLIR roll boresight	005 00 007 00	32	17
PGNYAW	Gun YAW boresight	005 00 008 00	32	17
PGPTCH	Gun pitch boresight	005 00 008 00	32	17
PGRØLL	Gun roll boresight	005 00	32	
PHILIM	Upper deadband limit	005 00	10,12	10,12
PHPTCH	HUD pitch boresight	005 00 007 00 014 00	32	17 28
PHRØLL	HUD roll boresight	005 00 007 00	32	17
PHUYAW	HUD yaw boresight	005 00 007 00 014 00	32	17 28
PIBSEQ	Boresight sequence counter	005 00	31,32	31,32
PIBSFT	Shift index	005 00	32	32
PICYCL	Slew cycle count	005 00	26	26
PIDBID	Data base index	005 00	32	
PIFDTR	Fuel dump timer	005 00	53	53
PIFFCK	Fuel flow timer	005 00	47	47
PIFLTC	Flight record counter	005 00	16,17,21, 23	
PIHDCK	Hydraulics transition timer	005 00	42,43	43
PILFNG	Negative load factor counter	005 00	52	52
PILFPØ	Positive load factor counter	005 00	46,52	52
PILGTC	Landing gear transition timer	005 00	42	42
PILVCF	Right shutoff crossfeed timer	005 00	53	53
PIMPTR	MMP message out pointer	005 00	14	
PINAGT	Arresting gear timer	005 00	42	42
PINMSG	Recorder initial message	005 00	21	21
PINØTC	Oxygen test transition timer	005 00	44	44
PINPRT	Probe transition timer	005 00	46	46
PINSPL	Left duct door delay timer	005 00	36	36
PINSPR	Right duct door delay timer	005 00	36	36
PINSP2	AMAD oil test transition timer	005 00	37	37
PINXCK	Low acceleration timer	005 00	47	47

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
PIØBUF	Recorder buffer table pointer	005 00	16,18	2,3,7,10,12, 16,21
		006 00		24,25
PIPASS	Second pass flag	005 00	54	54
PIPCCL	Purge command timer	005 00	51	51
PIPRCK	Probe retract timer	005 00	47	47
PIRCCT	Read cycle timer	005 00	25	
PIRLST	Radar liquid cooling system pump on timer	005 00	39	39
PIRVCF	Right shutoff crossfeed timer	005 00	53	53
PISCNT	Stores message delay counter	005 00	3	3
PISEQ	Recorder initialization sequence control	005 00	21	21
PISØCL	Shutoff closed timer	005 00	53	53
PISØØP	Shutoff open timer	005 00	53	53
PITNCT	Caution counter	005 00	54	54
PITPCC	Command pressure timer	005 00	46	46
PITPEC	Recorder tape record counter	005 00	16,17,21, 23	21
PITRCK	Recorder track number	005 00	17,21	17,21
PITRKC	Recorder track record counter	005 00	16,17,21, 23	17,21
PITRRL	Trigger release timer	005 00	51	51
PIT3CK	Tank 3 start of depletion timer	005 00	47,48	48
PIWCCT	Write cycle counter	005 00	23	
PLBCØM	Boresight complete flag	005 00	32	31
		007 00		17
PLB0SL	MSDRS buffer 0 select	005 00	19,21,50	16,18,19,25
PLBRED	Boresight read complete	005 00	31	31
PLBUSY	Recorder busy flag	005 00	17,21,23, 25,26,27, 28,29	15
PLCAK0	Old caution word 0	005 00	5	5
PLCAK1	Old caution word 1	005 00	5	5
PLCAK2	Old caution word 2	005 00	5	5
PLCAK3	Old caution word 3	005 00	5	5
PLCAK4	Old caution word 4	005 00	5	5
		016 00	9	9
PLCAK5	Old caution word 5	005 00	5	5
PLCAK6	Old caution word 6	005 00	5	5
PLCAK7	Old caution word 7	005 00	5	5
PLCAK8	Old caution word 8	005 00	5	5
PLCAK9	Old caution word 9	005 00	5	5

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
PLCAT0	Caution word 0	005 00 006 00 014 00	5 23	5 16,22
PLCAT1	Caution word 1	004 00 005 00 014 00	31,33,36 5,33	36 5 16,22
PLCAT2	Caution word 2	004 00 005 00 014 00	33,36 5	5,36 5 16,22
PLCAT3	Caution word 3	004 00 005 00 014 00	33 5,36,44	 5 16,22
PLCAT4	Caution word 4	005 00 014 00 016 00	5,41,44, 46,49 9	5 16,22 9,13
PLCAT5	Caution word 5	005 00 014 00	5,38,46	5 16,22
PLCAT6	Caution word 6	005 00 014 00	5,38,40,44	5 16,22
PLCAT7	Caution word 7	005 00 014 00	5,33,41, 44,45	5 16,22
PLCAT8	Caution word 8	005 00 014 00	5,37,51, 53	5 16,22
PLCAT9	Caution word 9	005 00 006 00 014 00	5,38 23	5 16,22
PLCMD (0-7)	Command word variable message 0 through 7 transmit	005 00	18,50	
PLCMEM	MMP memory clear flag	005 00	14,50	14
PLCMR (0-7)	Command word variable message 0 through 7 receive	005 00	18,50	
PLCRR (0-7)	Executive command word 1 through 7 in	005 00	15,18,21, 50	
PLCWR (0-7)	Executive command word 1 through 7 out	005 00	15,18,21, 50	
PLCYCL	Slew cycle flag	005 00	21,26	26
PLDBF (1-7)	Deadband flag sensor 1 through 7	005 00	7,10,12	10,12,50
PLDELY	MMP message delay flag	005 00	14,50	14
PLDFLG	Recorder flag word	005 00	15,21,27	15,21

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
PLDINP	Dump in progress flag	005 00	19,23,25	15,16,19
PLEØTD	End of tape detect flag	005 00	17	17
PLERFL	Recorder erase flag	005 00	29	29
PLFATI	Fatigue initialization flag	005 00	7	6
PLFLIP	Buffer start address reset flag	005 00	24	24
PLFNQF	Fuel non avionic BIT quit flag	005 00	48	48
PLGDSF	Gun deselect flag	005 00	51	51
PLGFØF	Gunfire occurred flag	005 00	51	51
PLHAGT	Hydraulic air-to-ground transition flag	005 00	40,43	42
PLHLCF	Hydraulic levels tested flag	005 00	43	43
PLHST	Initial strain sensor 4	005 00	7	10,12
PLINPR	Recorder initialization in progress flag	005 00	21	15
PLINTC	Recorder initialization complete flag	005 00	15,21	6,15
PLLDPØ	Buffer 0 dump control flag	005 00	17,19,21, 23,25	17,23,25
PLLDP1	Buffer 1 dump control flag	005 00	19,23,25	
PLLNCH	Fatigue stores launch flag	005 00	3	3
PLMFLG	Recorder flag word	005 00	21	
PLMSGS	MMP message flag	005 00	14,50	14
PLNABF	Airborne flag	005 00	40	40
PLNEWT	New track select flag	005 00	17,21	17,21
PLNTRF	Air-to-ground transition flag	005 00	40	40
PLØLIM	Lower deadband limit	005 00	10,12	10,12
PLPEK (1-7)	Peak flag sensor 1 through 7	005 00	7,10,12	10,12
PLREAD	Recorder read mode flag	005 00	21,25	25
PLRSTB	Reset buffer start address flag	005 00	23,24,25	23,25
PLSRIN	Search initiate flag	005 00	21,27	27
PLTMSF	Tactical message flag	005 00	2	2
PLTRRC	Transmit/receive flag	005 00	21,50	16,18
PLT4DF	Tank 4 empty flag	005 00	48	48
PLUNDX	Loop index	005 00	5	5
PLVAL (1-7)	Valley sensor flag 1 through 7	005 00	7,10,12	10,12
PLVST	Initial strain sensor 6	005 00	7	10,12
PLVPFL	Valley flag	005 00	10,12	11
PLWRES	Word residue	005 00	18	18
PLWRIT	Recorder write mode flag	005 00	17,19,23	23
PMMP00	MMP message table	005 00	14	14

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
PMSGMP	IMAR MMP code	005 00	13,20,36, 37,38,39, 40,41,42, 43,44,45, 48,53	14
PMXFTP	Maximum fuel inlet temperature	005 00		46
PPRDS (1-7)	Sensor 1 through 7 present strain	005 00	8	9,10,11,12
PPREVG	Aircraft maximum normal acceleration	005 00	7,13	13
PPREV (1-7)	Sensor 1 through 7 previous strain	005 00	8	9
PRCBT(1-8)	Recorder buffer tables 1-8	005 00	2,3,7,10, 12,16,21	
		006 00	24,25	
PRECMD	Recorder mode word	005 00	17,21,28, 29	22
PRHST	Initial strain sensor 5	005 00	7	10,12
PRVST	Initial strain sensor 7	005 00	7	10,12
PSEARH	Recorder record search word	005 00	21	21
PSRGC	Record group count	005 00	21,27	27
PTASRD	ASE radius	005 00	2	
PTATAS	A/C true airspeed	005 00	2	
PTGASE	Azimuth steering error	005 00	2	
PTGTGT	Designated target coordinate valid	005 00	2	
PTHALT	Aircraft altitude	005 00	2	
PTHRLK	Target relative altitude	005 00	2	
PTIFF4	IFF M4 advisory counter	005 00	33	33
PTLYAW	LST YAW boresight	005 00	32	
		007 00		17
PTMSLP	Slew count	005 00	21	21
PTØRØL	Aircraft outer roll attitude	005 00	2	
PTPTCH	LST pitch boresight	005 00	2,32	
		007 00		17
PTRANL	Left fuel hot transition flag	005 00	46	46
PTRANR	Right fuel hot transition flag	005 00	46	46
PTRATE	Target range rate	005 00	2	
PTRNDX	Transmit/receive index	005 00	18	
PTRNNG	Target range	005 00	2	
PTRØLL	LST roll boresight	005 00	32	
		007 00		17
PTTAØA	True angle of attack	005 00	2	
PTSPRS	Static pressure	005 00	2	

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
PWFST.	Initial strain sensor 2	005 00	7	10,12
PWRDCT	Word count	005 00	18	18
PWRST	Initial strain sensor 1	005 00	7	10,12
SAADD1	MC address of caution output line	014 00	24	
SABSXN	Destination MDI RAM address	014 00	13,14	14
SACAX1	MDG address caution line 1 X position	014 00	16	24
SAØBTL	BIT line address in output message	014 00	21	21
SDBBTA	Display GND/CV pushbutton labels	014 00		4
SDBBT1	Remove GND/CV pushbutton labels	014 00		4,6
SDBSYS	Pushbutton BIT request	004 00		14
SDBTP1	Pushbutton labels AUTO, BIT, STOP	014 00		6
SDBTP2	Pushbutton labels AUTO, MAINT, BIT, MI and STOP	014 00		6
SDBTP3	Pushbutton labels ↑ and ↓ for memory inspect	014 00		9
SDHSD	Display HSD status legend	014 00		3
SDHSI	Display EHSI status legend	014 00		3
SDMIAD	Memory inspect address	014 00	9	9,10
SDMNT3	Display bottom maintenance system pushbutton labels	014 00		5,7
SDØRCP	System status gate	014 00	13	15
SDSØLD	Old system designator complement	014 00	3	
SDSWRA	Saved BIT status word	014 00	18	18
SDSWRB	BIT status word	014 00	18	18
SDSWRC	Failures since BIT control panel active	014 00	18	18
SDSYDG	Old AVBIT status - DEGD	014 00	3,15	15
SDSYDØ	Old AVBIT status - DEGD OH	014 00	3,15	15
SDSYGØ	Old AVBIT status - GO	014 00	3,15	15
SDSYIT	Old AVBIT status - IN TEST	014 00	3,15	15
SDSYNG	Old AVBIT status - NO GO	014 00	3,15	15
SDSYNR	Old AVBIT status - NOT READY	014 00	3,15	15
SDSYØH	Old AVBIT status - OH	014 00	3,15	15
SDSYRS	Old AVBIT status - RESTRT	014 00	3,15	15
SDSYST	Old AVBIT status - SELF TEST	014 00	3,15	15
SDTOP1	Display BIT, MI and STOP pushbutton labels	014 00		7,9
SDXØRN	Advisory line change status word	014 00	17	17,19
SD02DG	Old AVBIT status - DEGD 2	014 00	3,15	15
SD10DG	Old AVBIT status - DEGD 1	014 00	3,15	15
SD12DG	Old AVBIT status - DEGD 1/2	014 00	3,15	15

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
SFC01P	FCES maintenance cue - ME	014 00		11
SFC02P	FCES maintenance cue - CH	014 00		11
SFC03P	FCES maintenance cue - bb	014 00		11
SFC04P	FCES maintenance cue - SW	014 00		11
SFC05P	FCES maintenance cue - bP	014 00		11
SFC06P	FCES maintenance cue - ED	014 00		11
SFC07P	FCES maintenance cue - bS	014 00		11
SFC08P	FCES maintenance cue - TK	014 00		11
SFC09P	FCES maintenance cue - bP	014 00		11
SFC10P	FCES maintenance cue - NL	014 00		11
SIBLPC	Caution blank phrase count	014 00	16	16,24
SIBLSI	Stack source index	014 00	19,21	19,21
SIBTPC	Advisory line phrase count	014 00	21	21
SICMND	Message 29 command word	014 00	10	
SICYCF	Test pattern control word for MC 2	014 00	28	
SIFCAB	FCSA or FCSB maintenance data	014 00	11	11
SIFDIF	Map data check sum result	014 00	31	31
SILBRC	Number of caution lines	014 00	16	16
SIMAXB	Maximum blank phrase count	014 00	16	16
SIMIA1	Memory inspect address register	014 00	9	9
SIMIN1	Memory inspect terminal number	014 00	9,10	10
SIMIN2	Memory inspect R/T number	014 00	9	10
SIMIWC	Memory inspect data word count	014 00	10	10
SIPANB	Previous pass panel type	014 00	2,3	2,9
SIPANL	Panel type	014 00	2,4,5	2
SIPHRC	Caution phrase count	014 00	24	24
SIRDYB	Raster bottom border Y position	012 00		39,68
		014 00	16,24	
SIRYTR	Relay command word	014 00	8	8
SISBWI	BIT status stack index	014 00	13	14
SISKBC	Caution stack bottom	014 00	16	16
SISKPB	Advisory line stack pointer	014 00	19,20,21	19,20,21
SISKPC	Index of next available stack position	014 00	16,23	16,23
SISLPB	System slot position counter	014 00	19	19
SISTKC	Stack count	014 00	16,24	16,24
SISTY1	Y start position	014 00	13	14
SISWDC	Status word counter	014 00	16	16
SIYPØS	Caution line Y position	014 00	16	24
SI1SC1	Status display rebuild counter	014 00	3,13	13
SI1SEC	One second timer for caution/ advisory displays	014 00	16	16

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
SI15SC	BIT enable timer	014 00	3,4	2
SI2SEC	Test pattern two second timer	014 00	28,29	28
SI45SC	Test pattern 4.5 second timer	014 00	2,4	2
SKøPTB	UFC option masks	014 00	1,5,9	
SLAADD	Additions status word	014 00	19	19
SLADCM	ADC maintenance option	014 00	5	
SLADDN	Caution addition word	014 00	22	22
SLADEL	Deletions status word	014 00	19	19
SLADVA	Saved advisory status word	014 00	17	17
SLADVB	Advisory status word	005 00	33,34,37	
		014 00	18	17,19
SLAPCM	APC maintenance option	014 00	5	
SLAUTø	Auto BIT request	004 00		9
		014 00	4	
SLBADC	ADC BIT pushbutton pressed	014 00	4	
SLBALT	ALT BIT pushbutton pressed	014 00	4	
SLBAUG	AUG BIT pushbutton pressed	014 00	4	
SLBBCN	BCN BIT pushbutton pressed	014 00	4	
SLBCSC	CSC BIT pushbutton pressed	014 00	4	
SLBEMD	EMD BIT pushbutton pressed	014 00	4	
SLBFCA	FCSA BIT pushbutton pressed	014 00	4	
SLBFCB	FCSB BIT pushbutton pressed	014 00	4	
SLBFLR	FLIR BIT pushbutton pressed	014 00	4	
SLBFUN	BIT request data	004 00	9,30	13
		012 00	51	35,62
SLBHRM	HARM BIT pushbutton pressed	014 00	4	
SLBHSI	EHSI/HSD BIT pushbutton pressed	014 00	4	
SLBHUD	HUD BIT pushbutton pressed	014 00	4	
SLBIBS	IBS BIT pushbutton pressed	014 00	4	
SLBICS	ICS BIT pushbutton pressed	014 00	4	
SLBIFF	IFF BIT pushbutton pressed	014 00	4	
SLBILS	ILS BIT pushbutton pressed	014 00	4	
SLBINS	INS BIT pushbutton pressed	014 00	4	
SLBLST	LST BIT pushbutton pressed	014 00	4	
SLBMFD	MFD BIT pushbutton pressed	014 00	4	
SLBMMD	MMD BIT pushbutton pressed	014 00	4	
SLBMSD	MSDR BIT pushbutton pressed	014 00	4	
SLBRDR	RADAR BIT pushbutton pressed	014 00	4	
SLBSCM	SCAM BIT pushbutton pressed	014 00	4	
SLBSMS	SMS BIT pushbutton pressed	014 00	4	
SLBSYS	BIT request data	004 00	9	
SLBTCN	TACAN BIT pushbutton pressed	014 00	4	
SLBUFC	UFC BIT pushbutton pressed	014 00	4	

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
SLCACH	Status changed flag	014 00	16	16
SLCAS0	Old caution word 0	014 00	16	16
SLCAS1	Old caution word 1	014 00	16	16
SLCAS2	Old caution word 2	014 00	16	16
SLCAS3	Old caution word 3	014 00	16	16
SLCAS4	Old caution word 4	014 00	16	16
SLCAS5	Old caution word 5	014 00	16	16
SLCAS6	Old caution word 6	014 00	16	16
SLCAS7	Old caution word 7	014 00	16	16
SLCAS8	Old caution word 8	014 00	16	16
SLCAS9	Old caution word 9	014 00	16	16
SLCDCF	Caution/advisory display complete	014 00	16,24	16
SLC1LX	MUX 1 EHSI/HSD circle X position	014 00	28	28
SLC1LY	MUX 1 EHSI/HSD circle Y position	014 00	28	28
SLC2LX	MUX 2 EHSI/HSD circle X position	014 00	28	28
SLC2LY	MUX 2 EHSI/HSD circle Y position	014 00	28	28
SLDELN	Caution deletion word	014 00	22	22
SLDPAT	Test pattern display flag	014 00	2,4	2
SLENGV	Left engine validity word	014 00	27	27
SLFCSM	FCES maintenance option	014 00	5	
SLGØGØ	A big go for BIT/maintenance	004 00		30
		014 00	2,4,28	
SLHDID	HUD titling flag	011 00		60
		014 00	1,16	
SLINBT	BIT requested flag	004 00		9
		014 00	4,5	
SLINFT	Last pass inflight status	014 00	2,3	2
SLMCSF	Map check sum failed	013 00		76
		014 00	31	31
SLMICW	MUX channel I/O enable	014 00	10	10
SLMIGØ	Memory inspect address data enable	014 00	10	9
SLMNØP	Maintenance	004 00	25,30	9,30
SLMNSP	Maintenance option stop	004 00	25,30	30
		013 00		76
		014 00	5,6	
SLMNTF	Maintenance option active flag	014 00	5,7	5
SLM1ØD	Buffered RDDI mode word	014 00	28	28
SLM2ØD	Buffered LDDI mode word	014 00	28	28
SLNDSE	GND/CV flag	014 00	4,6,7	4,13
SLNWSM	NWS maintenance option	014 00	5	
SLREG5	First pass flag	014 00		2,16,28
SLREG6	No stack processing flag	014 00	16	16
SLRPKA	Advisory restack flag	014 00	16,20	20

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
SLRPKC	Caution restack flag	014 00	16,23	23
SLRYCW	Relay selected	014 00	5,6,28,31	2,5,8,31
SLRYG∅	Relay transmit go	014 00	8	2
SLSCFG	BIT status display output complete	014 00	3,13,14	13
SLSDSP	Maintenance panel pushbutton label display	014 00	5	5
SLSMSM	SMS maintenance option	014 00	5	
SLTPAT	Test pattern call	012 00	12,13,52, 54	8,9,12,15, 16,17,19, 33,35,41, 52,57,59, 60,62,70
		013 00		76
		014 00	2,30	31
SLUFCM	UFC maintenance option	014 00	5	
SLX∅RN	Caution change word	014 00	16	16,22
SRENGV	Right engine validity word	014 00	27	27
SSADC1	Display ADC pushbutton label	014 00		5
SSAPC1	Display APC pushbutton label	014 00		5
SSBBT2	Display FRZ pushbutton label	014 00		9
SSBLAB	MDG compiler address variable	014 00		13
SSBLT3	Display FCES, CSC, ADC/INS, SMS, pushbutton labels (WOW)	014 00		6
SSBSKP	Do not display MAINT, MI, FCES, CSC, ADC/INS, SMS pushbutton labels (INFLIGHT)	014 00		6
SSCADR	Compiler produced caution/advisory line 1 X position address	014 00		16
SSFCS1	Display FCES pushbutton label	014 00		5
SSINS1	Display INS pushbutton label	014 00		5
SSJBIT	Enable BIT status display	014 00		2,5,6,7, 14,15
SSJFCS	Remove relay message display	014 00		5,7
SSJMEN	Disable BIT status display	014 00		2
SSJMNT	Do not display BIT panel pushbutton labels	014 00		7
SSJRLY	Enable relay display	014 00		2
SSLEGN	Display ICS/IBS/RALT, ILS/AUG/BCN, TCN/IFF, PODS, RDR, HARM, and DISP/EMD/UFC pushbutton labels	014 00		6
SSMNT1	Maintenance system pushbutton labels	014 00		5,7

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
SSMNT2	Maintenance system pushbutton labels	014 00		5,7
SSNWS1	Display NWS pushbutton label	014 00		5
SSRDR1	Display RDR pushbutton label	014 00		5
SSRYBR	Display relay message	014 00		5
SSRYFT	Disable relay display	014 00		2
SSSMS1	Display SMS pushbutton label	014 00		5
SSSTPX	Display STOP pushbutton label	014 00		29
SST01P	bb in BIT status message	014 00		15
SST02P	bb in BIT status message	014 00		15
SST03P	bb in BIT status message	014 00		15
SST04P	bb in BIT status message	014 00		15
SST05P	GO in BIT status message	014 00		15
SST06P	bb in BIT status message	014 00		15
SST07P	bb in BIT status message	014 00		15
SST08P	bb in BIT status message	014 00		15
SST09P	OH in BIT status message	014 00		15
SST10P	bb in BIT status message	014 00		15
SST11P	bb in BIT status message	014 00		15
SST12P	bb in BIT status message	014 00		15
SST13P	DE in BIT status message	014 00		15
SST14P	GD in BIT status message	014 00		15
SST15P	bb in BIT status message	014 00		15
SST16P	bb in BIT status message	014 00		15
SST17P	DE in BIT status message	014 00		15
SST18P	GD in BIT status message	014 00		15
SST19P	b2 in BIT status message	014 00		15
SST20P	bb in BIT status message	014 00		15
SST21P	DE in BIT status message	014 00		15
SST22P	GD in BIT status message	014 00		15
SST23P	b1 in BIT status message	014 00		15
SST24P	bb in BIT status message	014 00		15
SST25P	DE in BIT status message	014 00		15
SST26P	GD in BIT status message	014 00		15
SST27P	1/ in BIT status message	014 00		15
SST28P	2b in BIT status message	014 00		15
SST29P	DE in BIT status message	014 00		15
SST30P	GD in BIT status message	014 00		15
SST31P	,0 in BIT status message	014 00		15
SST32P	Hb in BIT status message	014 00		15
SST33P	NO in BIT status message	014 00		15
SST34P	GO in BIT status message	014 00		15
SST35P	bb in BIT status message	014 00		15

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
SST36P	bb in BIT status message	014 00		15
SST37P	SF in BIT status message	014 00		15
SST38P	bT in BIT status message	014 00		15
SST39P	ES in BIT status message	014 00		15
SST40P	Tb in BIT status message	014 00		15
SST41P	IN in BIT status message	014 00		15
SST42P	bT in BIT status message	014 00		15
SST43P	ES in BIT status message	014 00		15
SST44P	Tb in BIT status message	014 00		15
SST45P	RE in BIT status message	014 00		15
SST46P	ST in BIT status message	014 00		15
SST47P	RT in BIT status message	014 00		15
SST48P	bb in BIT status message	014 00		15
SST49P	NO in BIT status message	014 00		15
SST50P	Tb in BIT status message	014 00		15
SST51P	RD in BIT status message	014 00		15
SST52P	Yb in BIT status message	014 00		15
SST53P	GN in BIT status message	014 00		15
SST54P	D/ in BIT status message	014 00		15
SST55P	CV in BIT status message	014 00		15
SST56P	bb in BIT status message	014 00		15
SSUFC1	Display UFC pushbutton label	014 00		5
STBISK	System BIT status stack	014 00	3,13	15
STBTFG	Advisory line configuration stack and pointer	014 00	19	19,20,21
STCAFG	Caution stack and pointer	014 00	22,25	23,25
STSTPH	Blanks in memory inspect ADDR and DATA displays	014 00		9
TDGMDE	Mode options	015 00		57
THACCA	Acceleration vector angle	015 00	8	8
THC∅MP	Steering vector component	011 00		72
		015 00	10	
THDLTX	DL target display X-position	015 00	5	4,5
THDLTY	DL target display Y-position	015 00	5	4,5
THDMNT	DL time to go (minutes)	015 00	67	67
THLEAD	Lead angle error	011 00		72
		015 00	9	9
THMSK1	Option validity, button 1-10	015 00	14,22,23, 57	13,17,21,37, 38,46,57,59
THMSK2	Option validity, button 11-20	015 00	14,22,23	13,21,24,37, 42,43,46,59

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
THØTAS	HOTAS selection index	015 00	27,28,33, 35,37,38, 40,41,42, 45,48, 49,50,51, 52,53,54, 55,59,60	33,34,44,46, 62
THØTSV	HOTAS flag duplicate	015 00	11,46	62,63,64,67
THRGAZ	Azimuth/range status constant	013 00	3,9,43,44, 46	3,5,9,43,44, 45
THTGPY	TWS target display Y-position	015 00	7	7,8
THVECX	Velocity vector ending X-position	015 00	7,8	7,8
THVECY	Velocity vector ending Y-position	015 00	7,8	7,8
TICNTR	Station search counter	015 00	108	108,109,110
TIGDLP	Data link pod pushbutton number	015 00	82	117
TIGNEW	New A/G weapon code selected	015 00	84,117	84,85
TIGØLD	Old A/G weapon code selected	015 00	83,85	83,85
TIGPBN	New A/G menu pushbutton number	015 00	83,84,85, 105,117	
TIGPBØ	Old A/G menu pushbutton number	015 00	84	77,81,84, 85,105,107, 117
TIGPSS	New priority station number	015 00	76,106	106
TIGPWS	Old menu status pushbutton number	015 00	76,83,109	83,106
TIGWDL	Walleye data link pushbutton number	015 00	82	117
TILDSP	Data link target display index	015 00	3,4	4
TILFIL	Data link target file index	015 00	3	3,4,5
TIMECH	Channel select time left	015 00	12,33	12,33
TIØLMØ	Last A/G weapon mode	015 00	122	122
TIØLPN	Last A/G program number	015 00	87,91	87,91
TIØPCD	Pushbutton option code table	015 00	92	93
TIØPSH	Option data shifter	015 00	92,93	93
TIPBYT	Pushbutton position table	015 00		122
TIPGCT	Program change counter	015 00	94	
TIRDRA	Radar video raster rotate	012 00		68
		015 00	1	62
TISWPN	SMS selected weapon code	015 00	77,84	79,81,83,84
TIS(1-9)WC	Station 1-9 weapon code	015 00	109	82
TITFIL	TWS target file index	015 00	7	7,8
TITHSN	Last HARM station number	015 00	76,122	122
TITMFZ	Last Maverick fuze select	015 00	127	125

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
TITPSN	SMS priority station number	015 00		117,118, 128,129,130
TITWFZ	Last walleye fuze select	015 00	130	130
TITWPN	SMS selected TV weapon code	015 00	117,118	114,117,121, 132
TITWSN	Last walleye station number	015 00	128	128,129,130
TIUMØD	UFC mode request	013 00		54
		015 00	91,98,113, 116,122, 127,131, 150	
TIUSAV	Saved UFC mode request	015 00	122	131
TI(06-10)WC	Pushbutton 6-10 weapon code	015 00	82	82,83,84
TLACKF	A/G track selection flag	009 00		34
		015 00	38	21,38
TLAPBS	Program pushbutton skip blank flag	015 00	75,76,92	
TLAPBY	Pushbutton bypass flag	015 00	75,76,77, 91,92,93	86
TLAPGC	Program change flag	015 00	75,76	
TLAPLI	Program line flag	015 00	75,76,87, 91,92,93	86,89
TLATCH	Stores latch flag word	015 00	75,76	
TLATSR	A/G weapon step request	015 00	75,76,77, 116	77,116
TLAWPC	Weapon change flag	015 00	75,76,83, 84,85	
TLDCLT	MFD declutter control	015 00	33	10,12,33
TLFAGM	Stores A/G mode flag	015 00	77	77
TLFAHI	A/A gun high rate	015 00	76	
TLFGHI	A/G gun high rate	009 00		59
TLFGUC	A/A gun change flag	015 00	84,105	84
TLFGUD	Air-to-Air gun mode	008 00		16,18
		015 00	79	79
TLFGUR	A/A gun request	009 00	59	
		015 00	76,85,105	105
TLFMAN	Air-to-ground gun manual mode	008 00		18
		011 00		104
		015 00	98	98
TLFRET	User reticle depression input	013 00		66
		015 00	87,97,104	
TLFTVR	TV weapon display request	012 00	53	58
		015 00	81,84,117	114

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
TLIHØB	HARM on board flag	015 00	109	78
TLISTM	A/G menu flag	015 00	109	
TLISTØ	Stores on board flag word	015 00	76,109	108
TLIST(1-9)	Store on station 1-9	015 00	76,110	108,112
TLLCAG	LST cage request	009 00		11
		015 00	148	
TLLSCW	LST scan pattern saved	009 00		3,11,12
		015 00	148	
TLRCAG	FLIR cage request	009 00	39	39
		015 00	133,140	140
TLRDCL	FLIR display declutter	015 00	133,138	133,136,138
TLRDRF	FLIR display restored	015 00	133	
TLRSCY	FLIR sequence/field-of-view flag	009 00	122	
		015 00	133,137	137
TLRSEL	FLIR adjust selected	015 00	133,142	
TLRTRK	FLIR track enable	009 00		21,41
		015 00	133,141	
TLSDRA	A/A display restored	015 00	75,76,79,83	79
TLSDRG	A/G gun display restored	015 00	75,76,83,84,104	84,104
TLSDRH	HARM display restored	015 00	75,76,83,84	
TLSDRM	A/G menu display restored	015 00	75,76,79,83	83
TLSDRN	Nuclear weapon display restored	015 00	75,76,83,84	
TLSDRP	A/G program display restored	015 00	75,76,83,84,87	87
TLSDRS	Stores display restored	015 00	75,76	
TLSDRT	A/G weapon displays restored	015 00	76,85,115,117	81,114
TLSFPA	A/A first pass	015 00	76	
TLSFPG	A/A gun first pass	015 00	76	
TLSFPI	Inventory first pass	015 00	76,109	74,108
TLSFPM	A/G menu first pass	015 00	76,106	81,83,106
TLSFPN	Nuclear weapon first pass	015 00	76	
TLSFPP	A/G program first pass	015 00	76,87	87
TLSFPS	Stores first pass flag	015 00	76	
TLSFPT	TV weapon first pass flag	015 00	76,115	115
TLSMØD	Stores displays restored/first pass flag word	015 00	75,76,84	

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
TLTCD (2,3,7,8)	Command destruct flag station 2, 3,7,8	015 00	76,122,123	122
TLTDCA	TDC action status flag	015 00	46	46
TLTDCB	Buffered TDC status	012 00	77	
		015 00	1	11,46
TLTDC∅	Old TDC depression status	015 00	11	46
TLTDDR	Walleye extended range/data link (ER/DL) display restored	015 00	115,128	128
TLTDLV	DL video seleced (ER/DL)	015 00	76,115, 117,128	118,128
TLTHDR	HARM display restored	015 00	115,121, 122,123	122
TLTMDR	Maverick display restored	015 00	115	125
TLTPDR	DL pod display restored	015 00	115,119	119
TLTREG	Stores status word	015 00	76	
TLTTD∅	TV weapon TDC pushbutton enable	015 00	76,115, 119,122, 125,128, 129	
TLTUDR	UFC data ready	015 00	122,124, 131	124
TLTVWP	TV weapon flag	012 00		43
TLTWDR	Walleye MK I display restored	015 00	115,129	129
TLTWIR	TV weapon in range	015 00	76	130
TLWPCR	Weapon change flag	013 00		29
		015 00	94	
TMC∅64	HARM	015 00		122
TMC∅65	MAV	015 00		125
TMC∅68	WE	015 00		129
TMC∅69	WEDL	015 00		117,128
TMC∅71	WEPD	015 00		117,119
TMINFT	FT	015 00		88
TMINMS	MS	015 00		88
TML∅CK	Displayed lock status	015 00		112
TMSKUF	UFC/stores option BIT mask	015 00		87,91
TMSTEP	STEP	015 00		77
TMTVUN	CAGE/UNCAGED notice	015 00		130
T∅PDRG	Drag option field	015 00	89	89
T∅PEFZ	EFUZ option field	015 00	89	89,92
T∅PMFZ	MFUZ option field	015 00	89	89,92
T∅PM∅D	Mode option field	015 00	89	89,92
T∅PSEQ	Sequence option field	015 00	89	89,92
TRAZSC	Operating azimuth scan	015 00	1	36,44

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
TRBDEX	Border exceeded status	015 00	11	11,69
TRCRRT	Cursor return select status	015 00	11,46,51, 61	61
TRCRSX	Cursor X-position	015 00	11	45,47,50,54, 55,56,59
TRCRSY	Cursor Y-position	015 00	11	47,48,49,50, 52,53,56,57, 58,59,60
TRCXYV	Cursor X-Y validity	015 00	11	11
TRELBR	Operating elevation bar	015 00	1	15,31,50
TRERAS	Erase select status	015 00	28,31,34, 38,61	61
TRFREZ	Freeze select status	015 00	38,61	61
TRMØDE	Buffered radar operating mode	015 00	1	12,13,14,19, 20,21,22,23, 25,26,27,28, 30,31,35,36, 38,39,40,41, 43,44,46,48, 49,50,54,59, 62,70,72
TRMRST	Reset select status	015 00	33,35,42, 61	61
TRRGSL	Buffered radar operating range scale	015 00	1,3	9,17,26,33, 34,43,70
		017 00	1	7
TSPBW1	A/G option flag - option 1110	015 00	21,27,28, 46,57,59	22,27
TSPBW2	A/G option flag - option 11-20	015 00	21,27,46, 58,59	22,27,35,46
TSWBUF	AC pushbutton buffer MC 1	014 00		5
TTEMP3	Temporary storage register 3	015 00	89	90
TVSTAN	Video station number	015 00	118	118
TWSSTT	Single target track to track while scan command flag	008 00 015 00	27	4
UAZSER	Azimuth steering line error	011 00	92	83
UAZSLX	Azimuth steering line X position	011 00	83	83,85
UAZSLY	Azimuth steering line Y position	011 00	83	83,85
UCMDHG	Command heading angle	011 00	15,17	16,17
UELDLX	Elevation steering line center to HUD field-of-view distance	011 00	84	84
UELEND	Elevation steering line end point displacement	011 00	84	84

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
UELLEN	Elevation steering line length	011 00	84	84
UELSLY	Elevation steering line Y position	011 00	84	84
UFCA∅A	FCES angle of attack with lag	011 00	5	5,21,41
UFLTPA	HUD flight path angle	011 00	6	6,10
UIAAWP	Air-to-air weapon select	011 00	30,69,94, 95	4,33,61,63, 71,72,73,75, 77,78,79,80, 100
UIAGMD	Air-to-ground mode display index	011 00	104	105,106
UIAPNW	APC/NWS display discrete	011 00	23,24,25	57,99
UICAM∅	Camera overrun timing	011 00	4	4
UIJAMC	Radar jam code	011 00	3	100
ULAALV	FCES local angle of attack valid	011 00	3	5,21,41
ULAAPC	APC attempt	011 00	3	23
ULAAPL	Left APC engaged	011 00	3	23,24
ULAAPN	Autopilot disengage switch	011 00	3	25,48,49,58
ULAAPR	Right APC engaged	011 00	3	23,24
ULAGTK	Radar angle track	011 00	3	32,69
ULALLG	Left gear down	011 00	3	6,7,9,21, 41,42,44,57
ULANSE	Nose wheel steering engaged	011 00	3	23,52
ULAPCA	APC attempt status	011 00	23	23
ULAPCE	APC engage attempt	011 00	23	23
ULAPCF	APC flash flag	011 00	23,24,25	24
ULAPLR	APC left and right engage	010 00		14
		011 00	23,24	24
ULCAGE	Velocity vector caged	011 00	6	7
ULDCUC	Cage/uncage switch	011 00	3	6,78
ULDTG1	Trigger detent 1	011 00	3	4
ULDTG2	Trigger detent 2	011 00	3	4
ULDWRL	SMS weapon release	011 00	3	4
ULHHPB	HARM under release discrete	011 00	3	53
ULNVVL	Normal velocity vector limit	011 00	8	9
ULRDRL	Radar lock on	011 00	69	71,75
ULRLAW	Low altitude warning	011 00	3	38
ULRLGS	ILS glideslope valid	011 00	3	27
ULRLLC	ILS localizer valid	011 00	3	27
ULRRAV	Radar altitude valid	011 00	3	38
ULSH∅T	Shoot light display flag	011 00	79,100	61
ULSIDV	TACAN station identification valid	011 00	3	59
ULTKMM	Radar track memory	011 00	3	75
ULVVDV	Velocity vector display valid	011 00	6,7	8,9,81,92

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
UMAXNA	Aircraft maximum normal acceleration	011 00	43	43,44
UNMA∅A	Numeric angle of attack data	011 00	41	41
UNRMRI	Normalized range input	011 00	73	74
UNRMR∅	Normalized range output	011 00	74	73,74
UPLUCY	Pull up cue Y position	011 00	87	87
UPUMXY	Pull up cue maximum Y position	011 00	87	87
URELCY	Release cue Y position	011 00	85	85
USCA∅A	Angle of attack scale data	011 00	21	21
USDSCF	Steering dot scale factor	011 00	72	72
USLIDF	Flight path counter	011 00	10,12	10
USLIDP	Slide to pitch ladder counter	011 00	10,12	12
USMA∅A	Smooth angle of attack	011 00	7	7
UVELBZ	Inertial velocity - body Z	011 00	6	6,7
UVELD	Velocity - earth down	011 00	6	6
UVELE	Velocity - earth east	011 00	6	6
UVELN	Velocity - earth north	011 00	6	6
UVELVX	Velocity vector X position	011 00	7,8	7,8
UVELVY	Velocity vector Y position	011 00	7,8	7,8
UVVRLL	Velocity vector roll angle	011 00	6	7,10,11
XDBMFX	Exec fail flags	003 00	3	
		004 00	3,4	3,4
XD∅IN	Exec do in time	003 00	10	
		009 00	94,95,124	
XLADI∅	ADC input-output fault	003 00	1	
		007 00		2
		008 00		7
		009 00		104
		013 00		29
		014 00		8,10
		016 00		2
XLCSI∅	Control-converter input/output fault	003 00	1	
		007 00		2
		010 00		29,32,35
		011 00		3
		013 00		29
		014 00		10
		016 00		2,8,10
XLFAI∅	FCSA mux fault	003 00	1	
		014 00		10
XLFBI∅	FCSB mux fault	003 00	1	
		014 00		10

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
XLFCI∅	FCES input/output fault flag	003 00	1	
		004 00		7,9,36
		005 00		47
		007 00		2,57
		011 00		3
		013 00		2
		015 00		136
		016 00		9
XLFLI∅	Mux fault - FLIR	003 00	1	
		009 00		39
		012 00		43,72
		015 00		113,136
XLFRI∅	MFD mux fault	003 00	1	
		009 00		8
		014 00		10
XLHRI∅	Mux fault - HARM command launch	003 00	1	
		011 00		53,92
		014 00		10
	computer	015 00		121
XLINI∅	INS input/output fault	003 00	1	
		007 00		2
		013 00		2
		014 00		8,10
		016 00		2
XLI∅FG	Executive module I/O chain flag	012 00	41	41
		014 00	8,10,31	31
XLLSI∅	Mux fault - LST/SCAM	003 00	1	
		009 00		12
		011 00		98
		012 00		72
		015 00		113,145
XLMB∅L	LDDI buffer overflow	003 00	1	
		012 00	3,50	3,50
XLMB∅R	RDDI buffer overflow	003 00	1	
		012 00	3,50	3,50
XLMI∅L	Transfer failure in LDDI	003 00	1	
		012 00	3,50	3,50
XLMI∅R	Transfer failure in RDDI	003 00	1	
		012 00	3,50	3,50
XLMLI∅	MMD mux fault	003 00	1	
		009 00		8
		014 00		10

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
XLMLLL	LDDI no end statement	003 00	1	
		012 00	3,50	3,50
XLMLLR	RDDI no end statement	003 00	1	
		012 00	3,50	3,50
XLMRAL	LDDI RAM altered	003 00	1	
		012 00	3,50	3,50
XLMRAR	RDDI RAM altered	003 00	1	
		012 00	3,50	3,50
XLMSI∅	MUX fault-MSDRS	003 00	1	
		005 00		35
		006 00		2
		014 00		10
XLMXFL	LDDI transmission failure	003 00	1	
		012 00	3,50	3,50
XLMXFR	RDDI transmission failure	003 00	1	
		012 00	3,50	3,50
XLM1I∅	MC 1 mux fault	003 00	1	
XLM2I∅	MC 2 mux fault	003 00	1	
		014 00		10
XLRDI∅	Radar input/output fault	003 00	1	
		008 00		2
		011 00		3
		012 00		63
		013 00		40
		014 00		8,10
		015 00		64
		017 00		1
XLSMI∅	SMS input/output fault	003 00	1	
		005 00		47
		007 00		2
		011 00		3
		012 00		63
		014 00		10
		015 00		74,108,114
		017 00		1,6
XL2CFU	Two computer full-up	003 00	2	5,6,10,11, 13,14
		004 00		6,31
		011 00		56,61,100
		012 00		1,47,48,77
		013 00		21
		015 00		94

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
YACLA (1-3)	LDDI area I-III cyclic update pointer 20HZ	012 00	34,61	
YACLB (1-3)	LDDI area I-III cyclic update pointer 10HZ	012 00	34,61	
YACLC (1-3)	LDDI area I-III cyclic update pointer 5HZ	012 00	34,61	
YACRA (1-3)	RDDI area I-III cyclic update pointer 20HZ	012 00	34,61	
YACRB (1-3)	RDDI area I-III cyclic update pointer 10HZ	012 00	34,61	
YACRC (1-3)	RDDI area I-III cyclic update pointer 5HZ	012 00	34,61	
YCCLA (1-3)	20HZ LDDI areas (I-III) default	012 00		34,61
YCCLB (1-3)	10HZ LDDI areas (I-III) default	012 00		34,61
YCCLC (1-3)	5HZ LDDI areas (I-III) default	012 00		34,61
YCCRA (1-3)	20HZ RDDI areas (I-III) default	012 00		34,61
YCCRB (1-3)	10HZ RDDI areas (I-III) default	012 00		34,61
YCCRC (1-3)	5HZ RDDI areas (I-III) default	012 00		34,61
YDRADP	HUD display radial squared	009 00 017 00	18,76,106 6	18,76,106 6
YDRDL2	HUD radial limit squared	009 00 017 00	18,76,106 6	18,76,106 6
YHN∅P2	Multipurpose double word no operation instruction	013 00		9,11,12,21, 22,23,29, 41,42,44, 45,52,71
YHRADL	HUD radial limit	009 00 017 00	16,50,93, 100,106	18,76,106 6
YHUNIT	HUD position unit vector	009 00	18,76,106	18,76,106
YICICF	Saved cyclic flags	012 00	35	35,62
YICYCF	Test pattern control word	012 00 014 00	35,62 28	28
YILFLG	Left loader status flag	012 00	19,20,49, 59	2
YILMNQ	LDDI I/O queue - menu	012 00	19,59	
YI∅QBL	LDDI I/O queue for radar unique	012 00	37	

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
YIØQBR	RDDI I/O queue for radar unique	012 00	37	
YIØQL	Left loader I/O queue	012 00	22,23,24,25	
YIØQLB	Test select I/O queue - LDDI	012 00	16	
YIØQL3	Left I/O loader queue word 3	012 00	20,22,23,24,25	
YIØQL4	Left I/O loader queue word 4	012 00	20,22,23,24,25	
YIØQR	Right loader I/O queue	012 00	22,23,24,25	
YIØQRB	Test select I/O queue - RDDI	012 00	16	
YIØQR3	Right I/O loader queue word 3	012 00	20,22,23,24,25	
YIØQR4	Right I/O loader queue word 4	012 00	20,22,23,24,25	
YIRFLG	Right loader status flag	012 00	20,33,49,60	2
YIRMNQ	RDDI I/O queue - menu	012 00	33,60	
YLDAØR	HUD position data out of range flag	009 00 / 017 00	18,76,106 / 6	16,50,93,100,106
YLHLMF	HUD position vector being limited flag	009 00 / 017 00	18,76,106 / 6	16,50,76,93,100,106
YTABDL	Data link table	015 00		67
YUBHBI	HUD symbol position matrix	009 00		93
YUNQBF	Unique symbol buffer	012 00	37	
YXDFL	HUD symbol X coordinate	009 00 / 017 00	18,26,76,106	16,18,26,50,76,93,100,106 / 6
YXLMTP	X coordinate limit toward point	009 00	50,93,100	
YYDFL	HUD symbol Y coordinate	009 00 / 017 00	18,26,76,106	16,18,26,50,76,93,100,106 / 6
YYLAEL	Limited steering dot elevation	015 00	9	9
YYLAZM	Limited steering dot azimuth	015 00	9	9
YYLMTP	Y coordinate limit toward point	009 00	50,93,100	
Y8MIRQ	MI request command word	014 00	10	

Internal Reference Code to Module Reference (Continued)

Ref Code	Nomenclature	Work Package No.	Set By Logic Diagram No.	Read By Logic Diagram No.
Y8MIRY	MI reply command word	014 00	10	10
Y8RY2∅	Executive module relay command word	014 00	8	

Preliminary

INTRODUCTION

OPERATIONAL FLIGHT PROGRAM LOGIC DIAGRAMS

1. **PURPOSE.**

2. This manual has logic diagrams for the mission computer system. The logic diagrams show how the digital computers use inputs and internal parameters to produce outputs. The logic involved in the decision making process to produce outputs represents the operational flight program.

3. **MANUAL ISSUE DATE.**

4. The date on the title page is the copy freeze date. No additions, deletions, or changes are made after the copy freeze date, except last minute safety of flight or required maintenance changes. Data collected after the copy freeze date will be included in later changes or revisions of the manual.

5. **EFFECTIVITIES.**

6. Effectivity notes on manual title pages, work package title pages, and within a work package indicate the aircraft to which the data applies. If no effectivity note appears on the work package title page, the work package has the same effectivity as shown on the manual title page. The effectivity notes may use:

   a. Type, model, and series

   b. Bureau number (tail number)

   c. Combination of type, model, series, and bureau numbers

The table below shows examples of effectivity notes and their meanings:

Effectivity Note Examples

Effectivity Note	Definition
160777 AND UP	Applicable to all F-18A and TF-18A for bureau numbers listed.
F/TF-18A	Applicable to all F-18A and TF-18A.
F-18A	Applicable to all F-18A, but not TF-18A.
TF-18A	Applicable to all TF-18A, but not F-18A.
F-18A 160775, 160777 THRU 160782	Only applicable to some bureau numbers of F-18A. Not applicable to any TF-18A, even if a TF-18A bureau number is within the numbers listed.
TF-18A 160784 AND UP	Only applicable to some bureau numbers of TF-18A. Not applicable to any F-18A, even if an F-18A bureau number is within the numbers listed.

7. **DEFERRED SPECIFICATION COMPLIANCE CHANGES (DSCC).** DSCC control design modifications on aircraft 160775 THRU 160785. Until all aircraft are modified, before and after DSCC configurations exist. Examples of DSCC effectivities are shown below:

 a. Before and after configurations for DSCC EJS:

 160775 THRU 160778 BEFORE DSCC EJS 74-A0014

 160779 AND UP; 160775 THRU 160778 AFTER DSCC EJS 74-A0014

 b. Before and after configurations for DSCC EO when no EJS is assigned:

 160775 THRU 160778 BEFORE DSCC EO 047626/74A870601

 160779 AND UP; 160775 THRU 160778 AFTER DSCC EO 047626/74A870601

8. **RECORD OF APPLICABLE TECHNICAL DIRECTIVES.**

9. The technical directives affecting this manual are listed in the Record of Applicable Technical Directives of each affected work package. When all affected aircraft are modified, the before configuration is removed from the manual, and the technical directive entry is removed from the Record of Applicable Technical Directives.

10. **MODIFICATION DOCUMENTS (MD).**

11. MD are equivalent to technical directives. MD are included in this manual in the same way as technical directives. This includes required changes to technical content, use of effectivities, and listings in the Record of Applicable Technical Directives. An MD is assigned an MD number instead of a technical directive number.

12. **TECHNICAL PUBLICATIONS DEFICIENCY REPORT (TPDR).**

13. The TPDR (OPNAV FORM 4790/66) is the form for reporting errors and suspected omissions in the technical manuals. Reporting procedures are in OPNAVINST 4790.2 SERIES.

14. **MANUAL USE.**

15. **INPUT REFERENCE CODE TO LOGIC DIAGRAM REFERENCE.** The input reference code to logic diagram reference (WP001 01) provides:

    a. Input reference codes used in the operational flight program.

    b. Reference code nomenclature.

    c. The work package and the logic diagram where the reference code is used (read).

16. **OUTPUT REFERENCE CODE TO LOGIC DIAGRAM REFERENCE.** The output reference code to logic code reference (WP001 02) provides:

    a. Output reference codes produced by the operational flight program.

    b. Reference code nomenclature.

    c. The work package and the logic diagram where reference code is produced (set).

17. **INTERNAL REFERENCE CODE TO LOGIC DIAGRAM REFERENCE.** The internal reference code to logic diagram reference (WP001 03) provides:

    a. Internal reference codes produced by the operational flight program.

    b. Reference code nomenclature.

    c. The work package and logic diagram where the reference code is produced (set).

    d. The work package and logic diagram where the reference code is used (read).

18. **LOGIC DIAGRAMS.** The logic diagrams (WP004 00 through WP006 00) show how the digital computers use inputs and internal parameters to produce outputs.

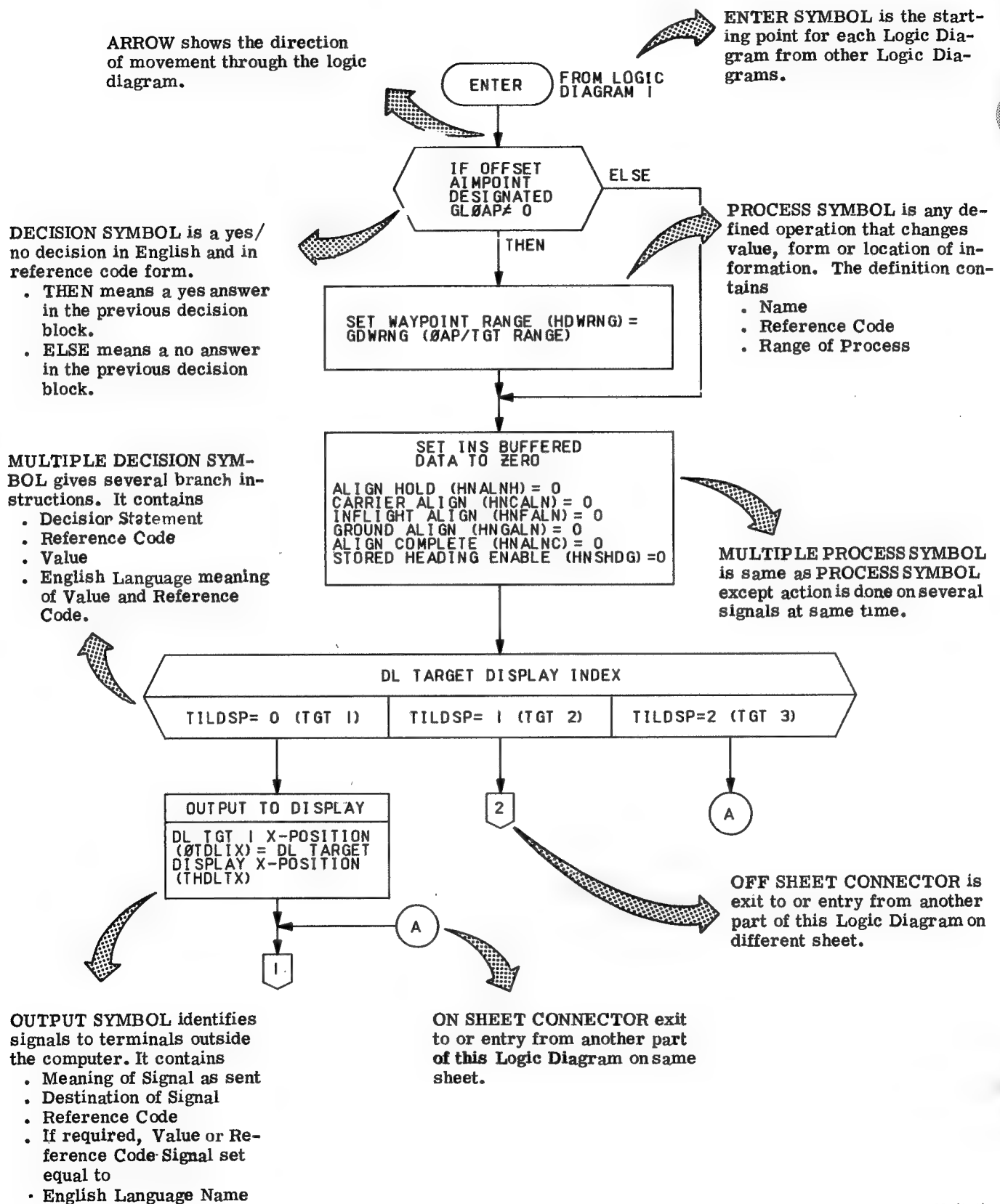19. **LOGIC DIAGRAM HIGHLIGHTS.** See figure 1 for logic diagram highlights.

ARROW shows the direction of movement through the logic diagram.

ENTER SYMBOL is the starting point for each Logic Diagram from other Logic Diagrams.

ENTER — FROM LOGIC DIAGRAM I

DECISION SYMBOL is a yes/ no decision in English and in reference code form.
. THEN means a yes answer in the previous decision block.
. ELSE means a no answer in the previous decision block.

IF OFFSET AIMPOINT DESIGNATED GLØAP≠ 0 — ELSE

THEN

PROCESS SYMBOL is any defined operation that changes value, form or location of information. The definition contains
. Name
. Reference Code
. Range of Process

SET WAYPOINT RANGE (HDWRNG) = GDWRNG (ØAP/TGT RANGE)

MULTIPLE DECISION SYMBOL gives several branch instructions. It contains
. Decision Statement
. Reference Code
. Value
. English Language meaning of Value and Reference Code.

SET INS BUFFERED DATA TO ZERO

ALIGN HOLD (HNALNH) = 0
CARRIER ALIGN (HNCALN) = 0
INFLIGHT ALIGN (HNFALN) = 0
GROUND ALIGN (HNGALN) = 0
ALIGN COMPLETE (HNALNC) = 0
STORED HEADING ENABLE (HNSHDG) = 0

MULTIPLE PROCESS SYMBOL is same as PROCESS SYMBOL except action is done on several signals at same time.

DL TARGET DISPLAY INDEX

| TILDSP= 0 (TGT I) | TILDSP= I (TGT 2) | TILDSP=2 (TGT 3) |

OUTPUT TO DISPLAY

DL TGT I X-POSITION (ØTDLIX) = DL TARGET DISPLAY X-POSITION (THDLTX)

2

A

OFF SHEET CONNECTOR is exit to or entry from another part of this Logic Diagram on different sheet.

I

A

OUTPUT SYMBOL identifies signals to terminals outside the computer. It contains
. Meaning of Signal as sent
. Destination of Signal
. Reference Code
. If required, Value or Reference Code Signal set equal to
· English Language Name

ON SHEET CONNECTOR exit to or entry from another part of this Logic Diagram on same sheet.

18AA—OLD—00—(1—1)

Figure 1. Logic Diagram Highlights (Sheet 1 of 2)

CALL SYMBOL calls another
logic diagram in the same or
different work package.

INFORMATION SYMBOL is
added descriptive clarifica-
tion or comment. Not in pro-
gram flow. Dotted line ex-
tends to symbol as applicable.

2

```
COMPUTE POSITION OF DL TARGET

CALL LOGIC DIAGRAM 5
```

```
BIT STATUS DISPLAY
MESSAGE ØSIPOI-PO4
THROUGH ØS6POI-PO4
ARE OUTPUTED BUT
NOT DISPLAYED UNLESS
ØSJBIT= SSJBIT
```

```
SET BIT STATUS DISPLAY OUTPUT
COMPLETE FLAG (SLSCFG) ≠ 0
COMPLETE
```

RETURN TO LOGIC DIAGRAM 1

RETURN SYMBOL is end
point for Logic Diagram.
Shows where program contin-
ues on another Logic Dia-
gram.

18AA—OLD—00—(1—2)

Figure 1. Logic Diagram Highlights (Sheet 2)

20. **TABLE OF REFERENCE CODES TO SYSTEM.** See table 1. The table shows input and output reference code prefixes by system.

21. **TABLE OF REFERENCE CODES TO DISPLAY.** See table 2. The table shows output reference code prefixes by display type.

Table 1. Table of Reference Codes to System

System	Inputs To Mission Computer	Outputs To Mission Computer
Air Data Computer CP-1334/A (ADC)	IA----	∅A------
Roll-Pitch-Yaw Computer A CP-1330/ASW-44 (FCCA)	ICA----	∅CA---
Roll-Pitch-Yaw Computer B CP-1330/ASW-44 (FCCB)	ICB---	∅CB---
Left Digital Display Indicator IP-1317/A (LDDI/MMD)	ID----	∅D----
Signal Data Recorder RO-508/ASM-612 (MSDR)	IE----	∅E----
Right Digital Display Indicator IP-1317/A (RDDI/MFD)	IF----	∅F----
Command Launch Computer CP-1001/AWG (HARM)	IG----	∅G----
Control-Converter C-10382/A (CSC)	IK----	∅K----
Detecting Set AN/AAS-38 (FLIR)	IL----	∅L----
Inertial Naviagtion Group OA-8955/ASW-130 (INS)	IN----	∅N----
Computer Power Supply CP-1325/APG-65 (RADAR)	IR----	∅R----
Armament Computer CP-1342/AYQ-9(V) SMS	IW----	∅W----
Laser Detector-Tracker-Strike Camera Set AN/ASQ-173 (LST/SCAM)	IX----	∅X----

Table 2. Table of Reference Codes To Display

Display Type	Output From Mission Computer
HSI Displays	∅H----

Table 2. Table of Reference Codes To Display (Continued)

Display Type	Output From Mission Computer
Backup Displays	∅ J----
Support Displays	∅ S----
Tactical Displays	∅ T----
HUD Displays	∅ U----
Display Format Manager Displays	∅ Y----

22. **GLOSSARY.** The glossary lists acronyms, abbreviations, display abbreviations, or switch placards used on the logic diagrams.

GLOSSARY

A/C - aircraft
ACCUM - accumulator
ACC - acceleration
ACCEL - acceleration
ACL - automatic carrier landing
ACM - air combat maneuvering
ACPT - accept
ACS - armament control system
ADC - air data computer system
ADI - attitude director indicator
ADJ A/C - adjacent aircraft
ADDR - address
ADS - autopilot disengage switch
AGL - above ground level
AGR - air-to-ground ranging
AHRS - attitude-heading reference system
AIL DEL - aileron direct electrical link
AIM - air intercept missile
A-J - anti-jam
ALWRG - allowable range
AOA - angle of attack
A/P - autopilot
APAM - anti-personnel anti-material
APC - approach power compensator
ARI - Attitude Reference Indicator ARU-48/A
A/S - airspeed
ASE - azimuth steering error
ASL - azimuth steering line
ATSCV - air turbine starter control valve
ATT - attitude
ATTD - attitude
ATTH - attitude hold
AUG - Radar Receiver R-1623/APN
AV - avionic
AVBIT - avionic built-in test
BALT - barometric altitude
BAMS - binary angular measurement system
BARO - barometric
BATT - battery
BRSIT - boresight
BRU-32/A - Aircraft Bomb Ejector Rack BRU-32/A
BST - boresight
CBL - cable
CCD - coarse course direction
CCIP - continuously computed impact point
CCM - counter countermeasure

CDP - compressor discharge pressure
CHALNG - challenge
CHG - change
CIP - current impact point
CLAS - class
CLC - Command Launch Computer CP-1001/AWG
CMDDSTR - command destruct
CONT - control
COMP - compass
CPL - couple
CPLE - couple
CPLD - coupled
CPU - central processing unit
CSC - Control-Converter C-10382/A
CV - Carrier
DBS - doppler beam sharpened
DBSP - doppler beam sharpened with path
DBSS - doppler beam sharpened with sector
DCLTR - declutter
DDI - Digital Display Indicator IP-1317/A
DEGD - degrade
DFM - display format manager
DG - directional gyro
DI - display increment
DL - data link
DLY - delay
DSENG - disengage
DSG - disengage
DSTB - disturbed
DUB - double
EBATT - emergency battery
ECS - environmental control system
EEC - Electronic Equipment Control C-10380/ASQ
EFUZ - electrical fuzing
EGT - exhaust gas temperature
EHSI - electronic horizontal situation indicator (Center Digital Display
        Indicator IP-1318/A)
EIT - engine inlet temperature
ELBAR - elevation bar
ELEV - elevation
EMCON - emission control
EMD - engine monitor display
EPR - engine pressure ratio
EPRD - equipment ready
ERDL (ER/DL) - extended range data link
ESL - elevation steering line
ESS - essential
EXP - expand
FCES - electronic flight control system
FCSA - flight control system A
FCSB - flight control system B

FF - fuel flow
FF - free fall
FIT - fuel inlet temperature
FLIR - forward looking infrared
FOV - field of view
FRQ - frequency
FRZ - freeze
GBSH - gyro bias shipboard
GMT - ground moving target
GND - ground
HACQ - HUD acquisition
HARM - High Anti-Radiation Missile AGM-88
HH - heading hold
HI - high
HORIZ - horizontal
HOTAS - hands on throttle and stick
HNDOVR - hand over
HSD - horizontal situation display (Horizontal Indicator IP-1350/A)
HSEL - heading select
HSI - horizontal situation indicator
HUD - Head-Up Display Unit AN/AVQ-28
HUDACQ - HUD acquisition
IBIT - initiated built-in test
IBS - interference blanking system
ICS - intercommunication and audio tones system
ID - identification
IDENT - identification
IECM - inflight engine condition monitor
IFF - identification friend or foe
ILS - instrument landing system
IMAR - inflight monitor and recording
INFO - information
INS - inertial navigation system
INST - instantaneous
INT - interval
INTL - interleaved
I/O - input/output
IPS - inches per second
KTS - knots
LAN - landing
L and S - launch and steering
LDDI - Left Digital Display Indicator IP-1317/A
LDLY - long delay
LEF - leading edge flap
LKD - locked
LO - low
LSB - least significant bit
LST - laser spot tracker
MAD - Magnetic Azimuth Detector DT-604/A
MAN - manual
MAV - Maverick

MAX - maximum
MC - Digital Data Computer CP-1429/AYK-14(V)
MC1 - Digital Data Computer CP-1429/AYK-14(V) No. 1
MC2 - Digital Data Computer CP-1429/AYK-14(V) No. 2
MDG - multi-purpose display group
MDI - multi-purpose display indicator (IP-1317/A)
MDRI - multi-purpose display repeater indicator (IP-1318/A)
MED - medium
MEM - memory
MER - multiple ejection rack
MFD - multi-function display (Right Digital Display Indicator IP-1317/A)
MFUZ - mechanical fuzing
MI - memory inspect
MKI - Mark 1
MLG - main landing gear
MMD - master monitor display (Left Digital Display Indicator (IP-1317/A)
MMP - maintenance monitor panel (Digital Display Indicator ID-2150/ASM-612)
MNVR - maneuver
MS - millisecond
MSDC - Signal Data Converter CV-3493/ASM-612
MSDR - Signal Data Recorder RO-508/ASM-612
MSDRS - maintenance status display and recording system
MULT - multiple
MULTI - multiple
MVAR - magnetic variation
M4 - mode 4
NABIT - non-avionic built-in test
NCD - navigation controls and displays
NLG - nose landing gear
NM - nautical mile
NOZ POS - nozzle position
N/T - nose/tail
NWS - nosewheel steering
N1 - fan
N2 - compressor
OAP - offset aim point
O/H - overheat
OPT - option
O/S - offset
O/S - overspeed
O/T - overtemperature
OVFLY - overfly
OVERTEMP - overtemperature
OVRD - override
OXY - oxygen
PB - prebriefed
PCAS - pitch control augmentation system
PCD - precision course direction
PCD N/A - precision course direction not available
PCK OK - precision course directon OK
PCKL - pickle

PDI - pulse doppler illumination
PFRT - preliminary flight rated test
PLA - power lever angle
PLBK - pullback
PPH - pounds per hour
PRESS - pressure
PRF - pulse repetition frequency
PRI - priority
PROG - program
PSI - pounds per square inch
PSIA - pounds per square inch absolute
PSID - pound per square inch differential
PS3 - compressor pressure discharge cycle
PVU - precision velocity update
QT - prequalified
QTY - quantity
RAD(S) - radian(s)
RALT - radar altitude
RCAS - rudder control augmentation system
RDDI - Right Digital Display Indicator IP-1317/A
RDR - radar
RDY - ready
REL - release
RETBAS - return base
REV - revolution
REJ - reject
RLCS - radar liquid cooling system
R-MAX - range maximum
R-MIN - range minimum
RPL - ripple
RSET - reset
R/T - receiver/transmitter
RTCL - reticle
RUDDEL - rudder direct electrical link
RWS - range while search
SCAM - strike camera
SCD - support controls and displays
SEQ - sequence
SIL - silent
SINS - ships inertial navigation system
SJET - selective jettison switch
SLV - slave
SMS - stores management system
SNGL - single
SP - sparrow
SPC - static pressure corrected
SPD - speed
SPROT - self protect
SRA - shop replaceable assembly
STABDEL - stabilator direct electrical link
STLIN - straight line

STT - single target track
SURF - surface
SW - sidewinder
SYS - system
TA - terrain avoidance
TBD - to be determined
TC - terrain clearance
TCA - terrain clearance altitude
TCD - tactical controls and displays
TD - target designator
TDC - throttle designator control
TDP - turbine discharge pressure
TEF - trailing edge flap
TEMP - temperature
TEMP - temporary
TER - triple ejection rack
TK - track
TOO - target of opportunity
TRIG - trigger
TWS - track while scan
UBATT - utility battery
UFC - up front control (Electronic Equipment Control C-10380/ASQ)
UNLK - unlock
UPDT - update
UTM - universal test message
VACQ - velocity acquisition
VEC - vector
VER - vertical ejection rack
VIB - vibration
VID - video
VS - vertical search
VT (PROX) - variable time or proximity
VTR - video tap recorder
WDIR - wind direction
WE - walleye
WEAP - weapon
WEDL - Walleye data link
WEP - weapon
WEPD - Walleye pod
W/O - waveoff
WOW - weight-on wheels
WPN - weapon
WRA - weapon replaceable assembly
WSPD - wind speed
WYPT - waypoint
XDAT - external data
YCAS - YAW control augmentation system